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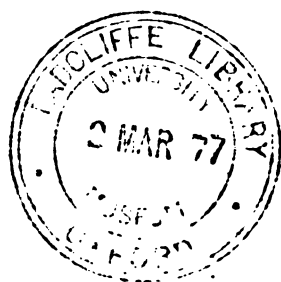
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OF OXFORDSHIRE.

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RESULTS
OF
ASTRONOMICAL OBSERVATIONS

MADE AT THE
ROYAL OBSERVATORY,
CAPE OF GOOD HOPE,

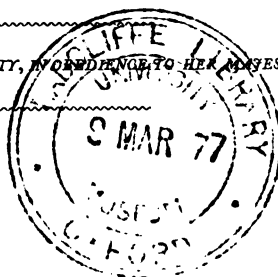
DURING THE
YEARS 1871, 1872, & 1873,

UNDER THE DIRECTION OF
EDWARD JAMES STONE, M.A., F.R.S.; F.R.A.S.

C. M. DE LA SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG,
HONORARY FELLOW OF QUEENS' COLLEGE, CAMBRIDGE,

AND
HER MAJESTY'S ASTRONOMER AT THE CAPE OF GOOD HOPE.

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INTRODUCTION
TO THE
ASTRONOMICAL OBSERVATIONS,
MADE AT THE
ROYAL OBSERVATORY, CAPE OF GOOD HOPE,
DURING THE YEARS
1871, 1872, & 1873.



My warrant of appointment as "Her Majesty's Astronomer at the Cape," bears the date of 1870, June 4. I arrived at the Cape 1870, October 13, and assumed the direction of the work on 1870, October 21. The chief inducement which led me to accept the appointment was the opportunity which the position afforded for the formation of a general Catalogue of Southern Stars to about the seventh magnitude. My idea was to use Lacaille's Catalogue as a working Catalogue. I hoped that most of the omissions in Lacaille's Catalogue of Stars to the conventional seventh magnitude would attract the attention of the Observers and be supplied in the progress of the work. A Star Catalogue on the scale proposed should afford a sufficient number of zero points for the rapid filling in of very approximate positions of the fainter stars and the determination of the positions of Southern comets with any well mounted equatoreal. It might facilitate the reductions of the positions of any fainter stars observed in zones with a Transit-circle and should include positions of nearly all the Southern stars available for geodetical work with instruments now in use. To avoid mistakes and to secure the requisite degree of accuracy, it appeared to me that, three observations of each star would be required and would be sufficient. To facilitate the work and to keep down the reductions I determined to limit, in general, the number of observations of each star to three and to undertake the work in zones not exceeding ten degrees in breadth. The execution of the work thus planned has been impeded by the labour thrown upon the staff of the reduction of the back observations and the preparation of a general Star Catalogue from the observations made in the years 1856 to 1860, and by the lamented deaths of two Assistants—Mr. W. Mann, first Assistant and Mr. J. T. Sinfield. Mr. Sinfield died on September 18, 1871, of typhus fever. Mr. Mann was taken seriously ill on 1872, April 25, and died April 30, 1873.

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The present volume contains the results of the Observations made during the years 1871, 1872, and 1873, and a few North-polar Distance Observations made in the months of November and December, 1870. It should contain positions of all Lacaille's Stars within 15° of the South Pole and of nearly all the Stars to the seventh magnitude within the same zone. It is the first published instalment of the materials collected for the projected Catalogue, but the Stars within 35° of the South Pole are already, in December 1875, observed, and arrangements made for the observation of the next zone 135° to 145° N.P.D. in the year 1876. In the year 1877, the work, if persevered with, should overlap that of some of the Northern Observatories and with the zone 115° to 125° N.P.D. it might perhaps be brought to a close in 1878, and attention turned to some other astronomical work of more importance than the observation of the Stars in the zone 90° to 115° N.P.D. The positions of the Stars down to the seventh magnitude in the zone 90° to 115° N.P.D. should be already fixed by observations made in the Northern Observatories.

I have thought it desirable to briefly indicate the objects I have had in view in shaping the Observatory work. The staff of the Observatory is not a large one, and, with the heavy pressure of the back reductions upon it, I should have found it difficult, if not impossible, to have made much progress with the projected Catalogue had not the observing been somewhat rigorously restricted to the actual requirements of the Catalogue. Those therefore who may refer to the present volume for extremely accurate places of the principal Southern Stars or for observations of the Sun, Moon, and the Planets will be disappointed; but those who require accurate places of the smaller Stars within 15° of the South Pole down to the seventh magnitude will find, in general, their requirements satisfied.

The instrument used for the meridian observations has been the Transit-circle. This instrument was constructed upon Sir G. Airy's plans, by Messrs. Ransome & May, as engineers, and Mr. Simms, as optician. It is similar in construction and power to the Transit-circle of the Royal Observatory, Greenwich. The only points of difference are,—the removal of the Setting-circle and the handles for moving the instrument from connexion with the graduated circle to the opposite side of the instrument and the piercing of the central cube to allow of the adjustment of the wires of the collimating telescopes upon each other without the necessity of raising the Transit-circle.

A most careful and elaborate description, with plans, of the Greenwich instrument is given in the volumes of Greenwich observations, 1852 and 1867. This appears to render any detailed account of the Cape instrument unnecessary.

The Transit-clock made use of during the years 1871, 1872, and 1873, has been the clock by William Hardy.

The form of the pivots was examined in 1872, Jan. 4. The errors were found insensible.

The collimation-errors have been determined by Gauss' method. The apertures of the collimating telescopes are four inches. The changes in the collimation of the instrument are exceedingly small unless the instrument has been subjected to some accidental strain. The correction for diurnal aberration is included in the "collimation correction."

The level errors have been determined by the use of a Bohnenberger's reflecting eye-piece. The time at which the level-error was determined on any day can generally be inferred from the time at which the Nadir point reading was determined by the same observer on the same day.

I have had numerous determinations of the level and Nadir point corrections made at different hours of the day to test the stability of the instrument over short periods of time. The stability, over short periods, appears satisfactory, but the annual fluctuations are large. The annual range of the level-factors being about $\pm 0^{\circ} \cdot 6$ and the range in the Nadir point corrections correspondingly large being about $\pm 10''$. When the Transit-circle was first mounted in 1855, and for some years afterwards, the annual fluctuations, although well marked, were small, but since 1864 they have been nearly as large as at present. I am unable to account for the change which appears to have taken place in the year 1864 in the stability of the instrument. The azimuthal errors used in the reductions of each year will be found in Table II., and the details of the determinations in Table III. of the year. When the azimuthal errors adopted depend upon the absolute right ascensions of polar-stars, these right ascensions are either derived from "The mean places of eight close Southern Polar stars 1860 to 1900," published by me in 1874, February 28, or from the observations of 1871.

The "meridian mark" referred to in Tables III. is on an undulation immediately to the east of the mountain called Blaauw Berg, and is situated about 13 miles north of the Observatory. It is a pillar built to serve as a permanent meridian mark for the 10 feet Dollond's Transit. The Transit instrument is about 52 feet west of the meridian of the Transit-circle. The azimuth of the mark, from the meridian of the Transit-circle, assumed in the determination of the azimuthal errors given in Tables III. has been $2' 40''$ west. It would appear that the assumed azimuth is too great by about $1'' \cdot 3$ and that the true azimuth of the mark is nearly $2' 38'' \cdot 7$ west. The azimuthal errors derived from the position of the mark have not been used in the reductions except for the

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approximate determinations of the clock-error for time-ball purposes. The mark can only be well seen near noon on rather cloudy days: on bright clear days it can only be observed soon after sunrise and near the time of sunset. The value of the mark as an indication of changes in the position of the Transit-circle is not so great as it would be were observations possible at any hour of the day.

The following are the dates at which level-errors of the instrument have been changed by the insertion of thin plates of tin-foil under the bearing plate of the western pivot.

1856. July 27. 3 thicknesses inserted

Level-error factor before $- 1^{\circ} \cdot 355$
after $+ 0^{\circ} \cdot 153$

1860. Aug. 21. 3 more thicknesses inserted

Level-error factor before $- 0^{\circ} \cdot 946$
after $+ 0^{\circ} \cdot 431$

1872. Feb. 26. The 6 thicknesses of tin-foil were removed and 29 much thinner sheets inserted in their place. The bearings were found clean and bright and the tin-foil removed was apparently uninjured.

Level-error factor before $- 1^{\circ} \cdot 935$
after $+ 0^{\circ} \cdot 445$

The relative subsidence of the western pivot over the eastern pivot from 1856 to 1872; has been nearly $4''$ a year. This would be equivalent to a relative depression of about $\frac{1}{1000}$ of an inch per year.

In the adjustment for 1872 the error was purposely over-corrected under the expectation that the regular secular changes would proceed as before. This does not appear to be now the case and the result is that the level-error is large from over-correction.

The values of the intervals of the Transit-circle wires have been deduced from observations of stars.

The wires of the Transit-circle were found broken on 1873, May 30. I inserted a new system of wires but these were broken almost immediately by one of the Assistants pushing in too far the eye-piece of the Transit-circle. A new system of wires was again inserted and a recurrence of a similar accident prevented by a thin ring of metal placed around the eye-piece. I availed myself of the opportunity to release the wire-frame from some indications of constraint to which it appeared to have been subjected. The lenses of the object-glass were separated, cleaned, and carefully

recentered. The definition of the glass appeared improved by the recentering. The Transit-circle was not brought into regular use after these changes until June 20. During the interval between June 1 and June 20, the clock-errors were determined from observations with Dollond's Transit instrument which I adjusted for the purpose.

The error of the Transit-clock has been usually determined on each day by observations of Stars, or of the Sun, between 9 a.m. and 1 o'clock p.m. These observations are reduced with approximative corrections for time-ball purposes. The rates deduced from them are not generally given in the present volume.

The observations in Right Ascensions have been made generally by the eye and ear method because attention has been chiefly directed to the slow moving Stars near the South Pole, but some of the observations have been made by the galvanic method and the times registered on a Bond's Spring-Governor Chronograph. It has however been the rule for each observer to fix his clock-error by observations of clock-stars whose Right Ascensions do not differ much from the group of Stars under observation for place and always to fix the clock-error by the eye and ear method if the Stars for place are observed eye and ear.

The results contained in the present volume should therefore be only very slightly affected by the personal equations of the observers. These personal equations have, however, been determined and used in the determination of the rates of the Transit-clock.

The Clock-errors determined by Messrs. Stone, Mann, and Maclear, are sensibly the same. Taking Mr. G. Maclear's Clock-errors as a standard the following are the Clock-errors of each observer—

In 1871. Clock-error	by Mr. Sinfield	= Clock-error fast	+ 0 ^s ·35
	Mr. Freeman	=	+ 0·20
	Mr. Stevens	=	+ 0·16

In 1872. The personal equations agreed with those found in 1871 for Messrs. Freeman and Stevens.

In 1873. Clock-error	by Mr. Finlay	= Clock-error fast	+ 0 ^s ·25
	Mr. Stevens	=	+ 0·15
	Mr. Freeman	= before Sept. 5	+ 0·21
		= after Sept. 5	+ 0·07

The following Table gives the Mean Right Ascensions of the Stars observed for the determination of Clock-error in 1871. The Right Ascensions have been brought up from those of the Greenwich Catalogue of 2,760 Stars, for the epoch 1864, with the data given in that Catalogue :—

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*Assumed Mean Right Ascensions of Stars used for the determination of
Clock-error in the Year 1871.*

Star's Name.	Assumed R.A. 1871.	Star's Name.	Assumed R.A. 1871.
	h m s		h m s
α Andromedæ.....	0 1 43.36	γ Tauri.....	4 12 27.22
γ Pegasi.....	0 6 35.66	ϵ Tauri.....	4 21 5.11
ι Ceti.....	0 12 51.23	α Tauri.....	4 28 31.19
12 Ceti.....	0 23 27.26	μ Eridani.....	4 39 3.17
ϵ Andromedæ.....	0 31 44.57	ι Aurigæ.....	4 48 35.70
β Ceti.....	0 37 6.76	ϵ Leporis.....	5 0 0.03
ϵ Piscium.....	0 56 14.97	β Orionis.....	5 8 20.31
β Andromedæ.....	1 2 30.91	β Tauri.....	5 18 8.30
ζ^1 Piscium.....	1 6 59.55	δ Orionis.....	5 25 24.98
θ Ceti.....	1 17 34.49	α Leporis.....	5 27 2.46
η Piscium.....	1 24 34.96	ϵ Orionis.....	5 29 40.05
ν Piscium.....	1 34 43.13	α Columbæ.....	5 34 58.75
β Arietis.....	1 47 30.99	κ Orionis.....	5 41 38.28
α Arietis.....	1 59 54.29	α Orionis.....	5 48 11.28
67 Ceti.....	2 10 32.94	1 Geminorum.....	5 56 16.72
ξ^2 Ceti.....	2 21 18.11	ν Orionis.....	6 0 12.38
ν Ceti.....	2 29 6.31	η Geminorum.....	6 7 5.44
δ Ceti.....	2 32 52.31	μ Geminorum.....	6 15 9.35
γ^2 Ceti.....	2 36 37.04	β Canis Majoris.....	6 17 1.13
σ Arietis.....	2 44 22.34	γ Geminorum.....	6 30 15.50
α Ceti.....	2 55 32.25	θ Canis Majoris.....	6 48 11.78
δ Arietis.....	3 4 15.34	ϵ Canis Majoris.....	6 53 33.35
τ^1 Arietis.....	3 13 46.94	γ Canis Majoris.....	6 57 55.33
σ Tauri.....	3 17 52.40	δ Canis Majoris.....	7 3 8.78
f Tauri.....	3 23 45.18	51 Geminorum.....	7 5 57.77
ϵ Eridani.....	3 26 51.18	δ Geminorum.....	7 12 25.03
11 Tauri.....	3 33 4.17	β Canis Minoris.....	7 20 9.25
δ Eridani.....	3 37 4.14	α^2 Geminorum.....	7 26 21.96
η Tauri.....	3 39 49.15	α Canis Minoris.....	7 32 32.88
γ^1 Eridani.....	3 52 0.64	β Geminorum.....	7 37 25.15
ω^1 Tauri.....	4 1 39.18	ξ Navis.....	7 43 52.15
σ^1 Eridani.....	4 5 34.13	6 Cancræ.....	7 55 35.54

Royal Observatory, Cape of Good Hope, 1871 to 1873. vii

*Assumed Mean Right Ascensions of Stars used for the determination of
Clock-error in the Year 1871.—Continued.*

Star's Name.	Assumed R.A. 1871.	Star's Name.	Assumed R.A. 1871.
	h m s		h m s
15 Argûs.....	8 2 2'99	δ ² Corvi.....	12 23 11'56
β Cancrî.....	8 9 31'06	β Corvi.....	12 27 36'81
d ¹ Cancrî.....	8 15 58'49	35 Virginis.....	12 41 17'31
η Cancrî.....	8 25 14'76	δ Virginis.....	12 49 6'35
γ Cancrî.....	8 35 49'06	ε Virginis.....	12 55 45'32
ε Hydræ.....	8 39 56'57	θ Virginis.....	13 3 16'30
α Cancrî.....	8 51 25'78	α Virginis.....	13 18 23'91
κ Cancrî.....	9 0 45'49	ζ Virginis.....	13 28 7'24
83 Cancrî.....	9 11 46'69	μ Virginis.....	13 34 50'56
α Hydræ.....	9 21 14'85	τ Boötis.....	13 41 7'92
ξ Leonis.....	9 24 59'43	η Boötis.....	13 48 32'55
ο Leonis.....	9 34 15'82	τ Virginis.....	13 55 4'93
ε Leonis.....	9 38 31'50	κ Virginis.....	14 6 0'97
μ Leonis.....	9 45 25'37	α Boötis.....	14 9 46'66
π Leonis.....	9 53 23'69	f Boötis.....	14 20 27'40
α Leonis.....	10 1 29'96	ρ Boötis.....	14 26 16'21
γ ¹ Leonis.....	10 12 51'42	ε ² Boötis.....	14 39 21'19
μ Hydræ.....	10 19 51'13	α ² Libræ.....	14 43 44'69
ρ Leonis.....	10 26 1'02	ξ ² Libræ.....	14 49 46'24
34 Sextantis.....	10 35 57'73	ψ Boötis.....	14 58 55'09
l Leonis.....	10 42 28'50	β Libræ.....	15 10 3'99
d Leonis.....	10 53 53'83	ο ² Libræ.....	15 15 50'20
χ Leonis.....	10 58 21'68	ζ ¹ Libræ.....	15 20 59'06
δ Leonis.....	11 7 14'69	α Coronæ.....	15 29 13'58
δ Crateris.....	11 12 53'55	α Serpentis.....	15 37 54'88
τ Leonis.....	11 21 18'14	ε Serpentis.....	15 44 23'17
υ Leonis.....	11 30 20'61	γ Serpentis.....	15 50 29'73
β Leonis.....	11 42 28'69	β ¹ Scorpii.....	15 57 56'30
β Virginis.....	11 43 58'50	δ Ophiuchi.....	16 7 35'16
π Virginis.....	11 54 15'73	γ Herculis.....	16 16 13'78
ε Corvi.....	12 3 29'60	α Scorpii.....	16 21 30'02
η Virginis.....	12 13 18'36	λ Ophiuchi.....	16 24 24'48

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*Assumed Mean Right Ascensions of Stars used for the determination of
Clock-error in the Year 1871.—Concluded.*

Star's Name.	Assumed R.A. 1871.	Star's Name.	Assumed R.A. 1871.
	h m s		h m s
ζ Ophiuchi.....	16 30 3'40	β Capricorni.....	20 13 45'66
ζ Herculis.....	16 36 25'45	ρ Capricorni.....	20 21 29'97
κ Ophiuchi.....	16 51 33'75	ε Delphini.....	20 27 2'95
ε Herculis.....	16 55 21'28	α Delphini.....	20 33 38'76
η Ophiuchi.....	17 2 58'84	ε Aquarii.....	20 40 41'43
α ¹ Herculis.....	17 8 45'94	32 Vulpeculæ.....	20 49 3'73
θ Ophiuchi.....	17 14 5'29	θ Capricorni.....	20 58 41'57
σ Ophiuchi.....	17 20 6'86	ζ Cygni.....	21 7 26'78
α Ophiuchi.....	17 28 56'78	α Equulei.....	21 9 22'46
β Ophiuchi.....	17 37 5'98	ε Capricorni.....	21 15 3'64
μ Herculis.....	17 41 24'64	β Aquarii.....	21 24 45'94
89 Herculis.....	17 50 12'95	ξ Aquarii.....	21 30 52'93
72 Ophiuchi.....	18 1 14'01	ε Pegasi.....	21 37 51'00
μ ¹ Sagittarii.....	18 6 2'88	δ Capricorni.....	21 39 55'07
η Serpentis.....	18 14 38'08	16 Pegasi.....	21 47 11'60
λ Sagittarii.....	18 20 0'53	α Aquarii.....	21 59 9'39
α Lyræ.....	18 32 34'23	ε Pegasi.....	22 1 0'39
β Lyræ.....	18 45 19'02	θ Aquarii.....	22 10 1'46
ε Aquilæ.....	18 53 46'02	γ Aquarii.....	22 14 59'52
ζ Aquilæ.....	18 59 28'80	σ Aquarii.....	22 23 49'09
κ Sagittarii.....	19 2 5'44	η Aquarii.....	22 28 43'57
ψ Sagittarii.....	19 7 37'68	ζ Pegasi.....	22 35 1'67
ω Aquilæ.....	19 11 45'64	μ Pegasi.....	22 43 46'70
δ Aquilæ.....	19 18 59'58	λ Aquarii.....	22 45 52'94
α Vulpeculæ.....	19 23 20'26	α Piscis Australis.....	22 50 31'01
μ Aquilæ.....	19 27 47'21	α Pegasi.....	22 58 20'14
κ ² Sagittarii.....	19 28 51'24	γ Piscium.....	23 10 28'62
γ Aquilæ.....	19 40 7'56	κ Piscium.....	23 20 19'13
α Aquilæ.....	19 44 29'31	ε Piscium.....	23 33 18'91
β Aquilæ.....	19 48 58'56	δ Sculptoris.....	23 42 12'14
c Sagittarii.....	19 54 43'34	ω Piscium.....	23 52 41'24
θ Aquilæ.....	20 4 38'85	2 Ceti.....	23 57 7'76
α ² Capricorni.....	20 10 53'70		

Royal Observatory, Cape of Good Hope, 1871 to 1873. ix

The list of Stars used for the determination of clock error in 1872 and 1873 has included the additional stars of the usual Greenwich list : the Mean Right Ascensions adopted have been brought up in a similar manner from the epoch 1864.

The corrections for the determination of the mean Right Ascensions from the apparent Right Ascensions for all Stars contained in the Nautical Almanac, have, except for σ Octantis, been extracted from that work. The corrections for all other Stars contained in the Greenwich Catalogue for 1864 have been computed with the Constants of that work, but no correction for proper motion for the fraction of the year has been applied. For all other Stars, Star-constants have been specially computed, but in these cases also the proper motion for the fraction of the year has not been applied.

The only difficulty which I have experienced in the discussion of the Right Ascensions, has arisen from a change in Mr. Freeman's personal equation which took place after an illness which prevented his observing from August 6 to September 5, 1873. When Mr. Freeman recommenced observing on September 5, he appears to have systematically observed the time of transit over the wires too late, and for slow moving Stars the error thus introduced was considerable. As the pressure of back work prevented the current reductions from being kept so close up as could have been wished, the change in habit was not detected for some considerable time. It was not until the end of the year 1874, when the Azimuthal Errors determined in 1873 were under discussion, that the magnitude of the change was detected.

The following table gives the excess of the Azimuthal Errors determined by Mr. Freeman over those determined by the other Observers from September 5, 1873, to June 30, 1874.

Determining Star.	Approximate N.P.D.	Excess of Azimuthal Error determined by Mr. Freeman.			
		Above Pole.	No. of Comp.	Below Pole.	No. of Comp.
B Octantis	179 26	+ 0.164	6	- 0.144	2
σ Octantis	179 17	+ 0.152	2	- 0.169	2
\circ Octantis	179 4	+ 0.147	5	- 0.121	4
A Octantis	178 30	+ 0.142	6	- 0.106	1
τ Octantis	178 10	+ 0.038	1	- 0.087	2
z Octantis	177 38	+ 0.100	2	- 0.034	2
c Octantis	176 37	+ 0.065	7	- 0.060	3

The comparisons given in the above table have been made as follows :—Whenever the Azimuthal Error has been determined on the

same day by Mr. Freeman and either of the other Observers then the difference between these results is taken. Whenever there are determinations of the Azimuthal Error by other Observers on the day before and on the day after that on which Mr. Freeman's determination is made, then the mean of the two determinations is taken for comparison with Mr. Freeman's result. It does not appear that Mr. Freeman systematically allowed the Stars to pass beyond the wires by some constant angular quantity before recording the times. In such a case the error should be equivalent to a change of the line of collimation required for the reduction of his observations. The peculiarity appears to be confined principally but not exclusively to observations of very slow moving Stars. The course I have adopted for the reduction of Mr. Freeman's observations after 1873, September 5, is as follows: I have first corrected the Azimuthal Errors determined by Mr. Freeman, before their adoption for use in the reductions, by the following quantities:

Correction to Azimuthal Error determined by
Mr. Freeman.

Determining Star.	Above Pole.	Below Pole.
B Octantis } σ " α "	— 0·160	+ 0·160
A Octantis } r "	— 0·093	+ 0·093
z Octantis } c "	— 0·065	+ 0·065

The Azimuthal Error determined by Mr. Freeman on 1873, November 20, has been adopted uncorrected. On that night Mr. Freeman observed contacts of the apparent disc of the Star with the wires instead of bisections as usual.

The adopted Azimuthal Errors should be sensibly correct and as the Clock-errors used in the reductions of Mr. Freeman's observations were determined by him we might expect that the only errors left in Mr. Freeman's determinations of Right Ascensions would be the difference between his habit of observing the Stars for place and the Stars for Clock-error.

I have rejected Mr. Freeman's determinations of Right Ascensions of Stars within five degrees of the pole after September 5, 1873, to the end of the year. As a check upon the practical elimination from the results of any serious ill-effects of Mr. Freeman's personal habit of observing in the zone N.P.D. 165° to 174° , I have had the mean excess of his determinations of the Right Ascensions of Stars within this zone over the determinations by the other Observers taken from September 5 to the end of the year. The result of 64 determinations is that Mr. Freeman's results are still too large for Stars observed above pole by nearly $0^{\circ}20'$, and this, if mere accidental errors of observation can be considered as destroyed in the mean, should represent the difference between Mr. Freeman's habit of observing Stars in the zone 165° to 174° and the Stars of the usual Clock-Star list.

No further correction of the Right Ascensions observed by Mr. Freeman has been attempted. I may mention that on calling Mr. Freeman's attention to the peculiar method of observing pole Stars which he appeared to have adopted after September 5, 1873, the peculiarity disappeared after a few days' attention to the point. Mr. Freeman has observed with the Transit-circle since 1863, and is therefore an observer of some standing.

OBSERVATIONS OF NORTH POLAR DISTANCES.

The mean run of the microscope-micrometers of the Transit-circle will be found in the Tables V of each year. The correction for runs is rather large, but the results by the different Observers are accordant and the annual changes small.

The Nadir point determinations will be found in the Tables VI. The annual changes amount to $\pm 10''$ from the mean. The determinations of the Nadir made on the same day are generally very accordant but from the magnitude of the annual changes in the Nadir and level I have made it the rule to use for the reductions of each night the instrumental corrections determined on that night by the same person who observes the Stars for place.

Personal peculiarities in the Observer's work should also in this way be much reduced.

In the month of December, 1855, soon after the mounting of the Transit-circle, the mean corrections required by every pair of divisions of the Transit-circle from 0° to 180° were determined at intervals of 5° . The method adopted was that described in the Greenwich Volumes for the years 1852 and 1867.

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The following are the corrections thus determined for the mean of the six microscopes used in the observations :

Divisions under Microscope.		Correction required to the Mean Reading.
$\left\{ \begin{array}{l} 0^{\circ} \cdot 60 \cdot 120 \\ 180 \cdot 240 \cdot 300 \end{array} \right\}$	or	$S_0 = - 3 \cdot 138$
5°	„	$S_5 = - 2 \cdot 568$
10°	„	$S_{10} = - 2 \cdot 687$
15°	„	$S_{15} = - 3 \cdot 261$
20°	„	$S_{20} = - 3 \cdot 181$
25°	„	$S_{25} = - 3 \cdot 215$
30°	„	$S_{30} = - 2 \cdot 854$
35°	„	$S_{35} = - 3 \cdot 092$
40°	„	$S_{40} = - 3 \cdot 260$
45°	„	$S_{45} = - 3 \cdot 429$
50°	„	$S_{50} = - 3 \cdot 605$
55°	„	$S_{55} = - 3 \cdot 351$

From the results for every five degrees, results for each degree have been interpolated and used in the reductions. The circle is placed so that when the Z.D. pointer reads zero, the divisions under the microscopes are S_{30} ; when the Z.D. pointer reads 5° south, the divisions in use are S_{35} .

The observations made for the determination of these corrections were not very numerous, but in the mean of the six microscopes accidental errors of observation are greatly smoothed down. A re-examination of these mean division errors which I made in 1871, led to the following results :— S_r means the correction for the reading of the six divisions, r , $r + 60$, $r + 120$, $r + 180$, $r + 240$, $r + 300$.

	Set 1.	Set 2.	Mean.
$S_0 =$	$- 2 \cdot 986$	$- 3 \cdot 023$	$- 2 \cdot 998$
$S_5 =$	$2 \cdot 650$	$2 \cdot 635$	$2 \cdot 645$
$S_{10} =$	$2 \cdot 691$	$2 \cdot 673$	$2 \cdot 685$
$S_{15} =$	$3 \cdot 145$	$3 \cdot 189$	$3 \cdot 160$
$S_{20} =$	$3 \cdot 429$	$3 \cdot 376$	$3 \cdot 411$
$S_{25} =$	$3 \cdot 019$	$2 \cdot 972$	$3 \cdot 004$
$S_{30} =$	$2 \cdot 914$	$2 \cdot 891$	$2 \cdot 907$
$S_{35} =$	$3 \cdot 014$	$3 \cdot 011$	$3 \cdot 013$
$S_{40} =$	$3 \cdot 265$	$3 \cdot 279$	$3 \cdot 270$
$S_{45} =$	$3 \cdot 563$	$3 \cdot 548$	$3 \cdot 558$
$S_{50} =$	$3 \cdot 453$	$3 \cdot 463$	$3 \cdot 456$
$S_{55} =$	$- 3 \cdot 521$	$- 3 \cdot 504$	$- 3 \cdot 516$

The Set 1 depends upon twice as many observations as Set 2 and has therefore been given twice the weight in forming the mean.

The division errors of the circle are therefore small. I have used in the reductions 1871, 1872, and 1873 the division errors determined in 1855. I believe that a mean between the three independent determinations would be nearer the truth, but the greatest difference between the adopted values and the mean would be less than $0''.2$ at any part of the circle.

The Cape transit circle is provided with a micrometer with a double object glass, similar to that used at Greenwich, for the determination of the errors of the single degrees after those for every 5° have been determined. In 1855 the use of this microscope was not considered satisfactory, and after trial I have come to the same conclusion, and preferred to interpolate the corrections for the single degrees from a curve swept through ordinates representing the corrections for each fifth degree. In a hand-divided circle this would probably be a doubtful proceeding, but in a machine-divided circle the errors thus introduced must be confined within very small limits when the general division errors are so small as in the Cape circle, but I hope soon to have the opportunity of examining the single degrees without having recourse to the double object glass micrometer.

The correction to the circle reading for astronomical flexure of the transit circle was found in 1855 to be $-0''.26 \sin(Z.D. \text{ south})$. No examination of this quantity appears to have been made after March, 1855, until 1870, November, when I had a new determination made by Mr. Mann. The result gave a correction of $-0''.75 \sin Z.D.$ This result differed so much from that previously found, that the observations were repeated on March 6 and 7, 1871, and in October, 1871. The mean of the results thus found was

$$-0''.617 \sin Z.D.$$

The results given in the North Polar Distance Ledgers have been reduced with the value $-0''.26 \sin Z.D.$, and require a small correction from the change of the flexure correction.

The inclination of the wire has been carefully examined from time to time, and the required corrections for inclination and curvature applied when the stars have been observed off the meridian.

In the years 1871 and 1872 a large number of stars were observed by reflexion. I regret, however, that the zenith points thus determined differ systematically from those determined with the Nadir reflecting eye-piece by about $0''.86$. The Nadir point readings are very consistent with each other when made by different observers or at different

times on the same day. So far as I can examine them by shifting the readings under the microscopes and the readings of the telescope micrometer there is no reason for suspecting the Nadir point determinations of error more than any other readings of the circle. In the face of the discordance between the zenith point determinations mentioned, I have thought it best to reduce all the North Polar Distance Observations at first with the zenith point corrections deduced from the observations with the reflecting eye-piece. I have been led to this course from several distinct considerations.

The probable errors of the determinations of the Zenith point readings with the reflecting eye-piece are much less than when determined by stars. The zenith point with the reflecting eye-piece can be determined on every night, but no satisfactory determinations of the zenith point by observations of stars by reflexion are possible on the windy nights which frequently prevail here during the summer months. No mere constant error in the zenith point corrections should affect injuriously the resulting North Polar Distances when a correction is introduced into the results to render the North Polar Distances determined above and below the pole equal to each other. Should the cause of the discordance between the zenith points be discovered, the introduction of the necessary corrections into the results would be greatly facilitated if the zenith point corrections had been adopted from the observations of the Nadir with the reflecting eye-piece alone, rather than from observations of stars at different zenith distances.

Guided by the above considerations I have adopted exclusively the determinations of the zenith-points with the reflecting eye-piece for the reduction of the results in North Polar Distance given in the Ledgers 1871, 1872, and 1873.

The refractions used are those of Bessel's *Tabulæ Regiomontanæ* down to 85° zenith distance. Below 85° zenith distance, the mean refractions are those of the *Fundamenta* multiplied by 1.003282 . The whole of the refractions are therefore deduced with the mean refractions of the *Fundamenta* multiplied by 1.003282 . The barometer used is the Standard one of the Observatory. The thermometer is placed in a crib placed before a South window in the Transit-circle room.

The latitude adopted in forming the results given in the Ledgers is

$33^{\circ} 56' 3''.2$ South.

The corrections to deduce the mean places from the apparent places have been taken from the Nautical Almanac for Stars contained in that work. For Stars in the Greenwich Catalogue, 1864, the corrections have been calculated with the Star-constants given in that Catalogue. For

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other Stars the constants have been computed with the data adopted in the Nautical Almanacs of the year. These Star-constants are generally given at the end of the results of the year for the reductions of which they have been computed. No allowance has been made for proper motion for the fraction of the year except for the Nautical Almanac Stars.

The Stars within 5° of the South Pole observed in 1871, required special treatment to secure the necessary accuracy. The apparent N.P.Ds. were first determined and with these apparent N.P.Ds. the factors of the instrumental corrections in Right Ascension were determined and the corrections applied. The apparent Right Ascensions and North Polar Distances were then reduced approximately to mean place at the time of observation by computing the corrections from the usual formulæ simplified by the neglect of higher powers of \sin S.P.D. than the first. From the places thus found, Mean Right Ascensions and North Polar Distances at the time of observation were adopted, and with these Right Ascensions and North Polar Distances the Star-constants used in the deduction of the Star-corrections were computed. The day numbers were interpolated for the time of observation, or, when only a few Stars had to be reduced on the same night, corrections for consecutive Greenwich midnights were computed and interpolated for the time of observation.

The corrections for twice the Moon's longitude in the expression for the nutation were applied to the Right Ascensions of Stars within 5° of the pole.

The observations for the zone of Stars within five degrees of the Pole were made between May 30 and August 10, 1871. The work was restricted to as short a time as possible to facilitate the reductions, the mean positions of the Stars not being greatly changed in the interval, the constants computed from their mean results were sufficiently accurate for the determination of the corrections of all the observations. Three Observers were engaged in the work on each observing night. To avoid any ill-effects of personality upon the azimuthal determinations Stars above and below the pole were observed by each Observer for azimuthal error, and also the Observer in the early evening watch of one night became the Observer in the morning watch of the next observing night.

The Stars in the zone 165° to 175° N.P.D. were observed towards the end of 1872 or in 1873. The Star-constants appended to the year 1872, have generally been computed for the year 1873.

The following Tables give the excess of the Zenith Point corrections found with the reflecting eye-piece over the corresponding corrections deduced from observations of Stars by reflexion South and North of the Zenith :—

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From reflecting eye-piece.			
1871.		"	"	+	—	°
March 6	β Centauri.....	24'74	26'41	1'67	..	26
	α^3 Centauri.....	25'32	26'41	1'09	..	26
7	α Eridani.....	25'64	26'28	0'64	..	24
9	β Centauri.....	25'30	26'45	1'15	..	26
	α^3 Centauri.....	24'58	26'45	1'87	..	26
	α^1 Centauri.....	25'01	26'45	1'44	..	26
10	α Eridani.....	25'46	26'41	0'95	..	24
	β Centauri.....	24'27	26'13	1'86	..	26
11	α Eridani.....	25'30	26'45	1'15	..	24
14	α Eridani.....	24'63	25'40	0'77	..	24
15	α Eridani.....	24'46	25'45	0'99.	..	24
16	α Eridani.....	24'38	25'55	1'17	..	24
	β Centauri.....	24'03	25'11	1'08	..	26
	α^3 Centauri.....	24'27	25'11	0'84	..	26
20	α Eridani.....	22'65	23'88	1'23	..	24
21	α Eridani.....	23'49	23'54	0'05	..	24
	β Centauri.....	23'44	23'87	0'43	..	26
	α^3 Centauri.....	23'55	23'87	0'32	..	26
	α^1 Centauri.....	22'61	23'87	1'26	..	26
22	α Eridani.....	22'71	23'96	1'25	..	24
23	α Eridani.....	22'25	23'90	1'65	..	24
	β Centauri.....	23'48	23'91	0'43	..	26
	α^3 Centauri.....	21'91	23'91	2'00	..	26
	α^1 Centauri.....	22'64	23'91	1'27	..	26
24	α Eridani.....	23'44	24'21	0'77	..	24
25	α Eridani.....	23'44	24'56	1'12	..	24
27	α Eridani.....	22'59	24'46	1'87	..	24
28	α Eridani.....	23'63	24'36	0'73	..	24
April 1	α Eridani.....	20'97	21'57	0'60	..	24
3	α Eridani.....	20'30	21'39	1'09	..	24
4	α Eridani.....	19'23	20'84	1'61	..	24

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From reflecting eye-piece.			
1871.		"	"	+	—	°
April 8	<i>a</i> Eridani.....	18.88	21.22	2.34	..	24
11	<i>a</i> Eridani.....	20.83	21.94	1.11	..	24
12	<i>a</i> Eridani.....	21.51	22.34	0.83	..	24
13	<i>a</i> Eridani.....	21.12	22.31	1.19	..	24
14	<i>a</i> Eridani.....	21.21	22.42	1.21	..	24
	<i>β</i> Centauri.....	19.56	22.26	2.70	..	26
18	<i>β</i> Centauri.....	20.97	22.02	1.05	..	26
	<i>a</i> ¹ Centauri.....	20.27	22.02	1.75	..	26
	<i>a</i> ² Centauri.....	21.24	22.02	0.78	..	26
	<i>a</i> Eridani.	19.95	21.10	1.15	..	24
19	<i>a</i> Eridani.....	19.51	20.18	0.67	..	24
20	<i>β</i> Centauri.....	17.84	19.73	1.89	..	26
25	<i>β</i> Centauri.....	14.63	17.43	2.80	..	26
	<i>a</i> ² Centauri.....	15.23	17.43	2.20	..	26
	<i>a</i> ¹ Centauri.....	15.46	17.43	1.97	..	26
26	<i>a</i> Eridani.	14.53	16.23	1.70	..	24
27	<i>β</i> Centauri...	16.51	15.72	..	0.79	26
28	<i>a</i> Eridani.....	14.50	15.13	0.63	..	24
May 1	<i>a</i> Eridani.....	13.82	14.63	0.81	..	24
2	<i>a</i> Eridani...	13.32	14.57	1.25	..	24
3	<i>β</i> Centauri.....	13.25	14.56	1.31	..	26
	<i>a</i> ² Centauri.....	13.19	14.56	1.37	..	26
	<i>a</i> ¹ Centauri.....	12.99	14.56	1.57	..	26
	<i>a</i> Eridani.....	12.65	14.32	1.67	..	24
23	<i>β</i> Centauri...	8.98	10.57	1.59	..	26
31	<i>β</i> Centauri...	8.90	9.91	1.01	..	26
June 9	<i>β</i> Centauri...	7.77	9.27	1.50	..	26
12	<i>β</i> Centauri...	7.33	8.59	1.26	..	26
13	<i>β</i> Centauri.....	7.35	8.26	0.91	..	26
	<i>a</i> ² Centauri.....	7.22	8.26	1.04	..	26
	<i>a</i> ¹ Centauri.....	6.71	8.26	1.55	..	26

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the Corresponding Corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire *)		Circle Reading.
		From *	From reflecting eye-piece.			
1871.		"	"	+	-	o
June 19	α Eridani.....	6.98	7.11	0.13	..	24
20	β Centauri.....	6.65	7.33	0.68	..	26
	α^1 Centauri.....	3.68	7.33	3.65	..	26
	α^2 Centauri.....	6.07	7.33	1.26	..	26
	α Eridani.....	6.28	6.98	0.70	..	24
27	β Centauri.....	6.04	7.42	1.38	..	26
	α^2 Centauri.....	6.73	7.42	0.69	..	26
	α^1 Centauri.....	6.44	7.42	0.98	..	26
28	β Centauri.....	6.46	8.33	1.87	..	26
29	β Centauri.....	7.41	8.64	1.23	..	26
	α^2 Centauri.....	7.51	8.64	1.13	..	26
	α^1 Centauri.....	7.38	8.64	1.26	..	26
	α Eridani.....	7.98	8.71	0.73	..	24
30	α^2 Centauri.....	7.41	8.56	1.15	..	26
	α^1 Centauri.....	8.05	8.56	0.51	..	26
July 3	β Centauri.....	8.33	8.73	0.40	..	26
	α^2 Centauri.....	8.47	8.73	0.26	..	26
	α^1 Centauri.....	7.67	8.73	1.06	..	26
4	β Centauri.....	8.50	9.13	0.63	..	26
	α Eridani.....	7.89	9.07	1.18	..	24
6	α^2 Centauri.....	7.66	8.91	1.25	..	26
	α^1 Centauri.....	7.18	8.91	1.73	..	26
11	β Centauri.....	7.73	8.83	1.10	..	26
	α^2 Centauri.....	8.13	8.83	0.70	..	26
	α^1 Centauri.....	8.08	8.83	0.75	..	26
17	β Centauri.....	7.39	8.97	1.58	..	26
	α^2 Centauri.....	7.47	8.97	1.50	..	26
	α^1 Centauri.....	7.03	8.97	1.94	..	26
August 4	α Eridani.....	8.62	9.90	1.28	..	24
11	α Eridani.....	6.38	8.97	2.59	..	24
Sept. 5	α Eridani.....	5.71	7.21	1.50	..	24

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From reflecting eye-piece.			
1871.		"	"	+	—	°
Sept. 11	β Centauri.....	5'94	6'76	0'82	..	26
	α^2 Centauri.....	4'96	6'76	1'80	..	26
	α^1 Centauri.....	5'37	6'76	1'39	..	26
15	β Centauri.....	6 34	6'21	..	0'13	26
	α^2 Centauri.....	5'47	6'21	0'74	..	26
	α^1 Centauri.....	5'93	6'21	0'28	..	26
18	α^2 Centauri.....	4'52	5'95	1'43	..	26
	α^1 Centauri.....	4'46	5'95	1'49	..	26
	α Eridani.	4'83	5'59	0'76	..	24
Oct. 6	β Centauri	4'91	5'57	0'66	..	26
	α^2 Centauri.....	4'66	5'57	0'91	..	26
	α^1 Centauri.....	4'28	5'57	1'29	..	26
7	β Centauri... ..	4'36	5'47	1'11	..	26
	α^2 Centauri.....	4'48	5'47	0'99	..	26
	α^1 Centauri.....	3'94	5'47	1'53	..	26
12	α Eridani.....	4'13	5'45	1'32	..	24
13	α Eridani.....	4'23	5'67	1'44	..	24
14	β Centauri.....	4'89	5'53	0'64	..	26
	α^2 Centauri.....	5'19	5'53	0'34	..	26
	α^1 Centauri.....	4'72	5'53	0'81	..	26
16	β Centauri.....	3'73	5'53	1'80	..	26
17	α^2 Centauri.....	4'30	5'68	1'38	..	26
	α^1 Centauri.....	5'00	5'68	0'68	..	26
22	β Centauri.....	4'45	5'81	1'36	..	26
	α^2 Centauri.....	4'91	5'81	0'90	..	26
	α^1 Centauri.....	4'18	5'81	1'63	..	26
24	α^2 Centauri.....	4'44	5'55	1'11	..	26
	α^1 Centauri.....	4'65	5'55	0'90	..	26
25	α^2 Centauri.....	5'06	5'78	0'72	..	26
	α^1 Centauri.....	3'48	5'78	2'30	..	26
	α Eridani.....	5'42	5'58	0 16	..	24

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From reflecting eye-piece.			
		"	"	+	—	°
1871.						
Oct. 27	α Eridani.....	3'53	5'50	1'97	..	24
	β Centauri.....	5'23	5'95	0'72	..	26
28	α^2 Centauri.....	5'08	5'95	0'87	..	26
	α^1 Centauri.....	4'96	5'95	0'99	..	26
31	α Eridani.....	5'82	6'29	0'47	..	24
Nov. 10	α Eridani.....	5'17	6'99	1'82	..	24
	β Centauri.....	6'87	7'58	0'71	..	26
16	α^2 Centauri... ..	7'52	7'58	0'06	..	26
	β Centauri.....	7'22	7'79	0'57	..	26
17	α^2 Centauri... ..	7'69	7'79	0'10	..	26
	α^1 Centauri.....	7'55	7'79	0'24	..	26
19	β Centauri.....	6'30	8'15	1'85	..	26
	α^2 Centauri.....	7'13	8'15	1'02	..	26
	α^1 Centauri.....	7'44	8'15	0'71	..	26
Dec. 6	α Eridani.....	10'75	11'30	0'55	..	24
	α Eridani.....	9'62	11'16	1'54	..	24
1872.						
March 5	α Eridani.....	19'26	20'89	1'63	..	24
	α Eridani.....	19'74	21'25	1'51	..	24
6	α Eridani.....	19'24	20'82	1'58	..	24
7	α Eridani.....	19'48	20'38	0'90	..	24
11	α Eridani.....	19'81	20'20	0'39	..	24
13	α Eridani.....	19'79	20'37	0'58	..	24
14	α Eridani.....	18'51	20'12	1'61	..	24
15	α Eridani.....	18'02	19'95	1'93	..	26
18	β Centauri.....	18'98	19'92	0'94	..	24
21	α Eridani.....	11'79	13'28	1'49	..	24
April 6	α Eridani.....	12'61	13'42	0'81	..	24
	α Eridani.....	11'21	13'24	2'03	..	24
8	α Eridani.....	12'46	13'70	1'24	..	26
9	β Centauri.....					
10	β Centauri.....					

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Zenith Point Corrections found from Observations of Stars South of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From reflecting eye-piece.			
		"	"	+	—	°
1872.						
April 11	α Eridani.....	12'18	13'89	1'71	..	24
19	β Crucis.....	13'32	14'63	1'31	..	25
	α Eridani.....	13 78	14'51	0'73	..	24
May 27	β Centauri.....	0'93	0'91	..	0'02	26
	α^2 Centauri.....	59'90	0'91	1'01	..	26
	α^1 Centauri.....	0'96	0'91	..	0'05	26
June 4	B.A.C. 6919.....	57'33	58'49	1'16	..	30
Sept. 19	α^2 Centauri.....	1'77	1'83	0'06	..	26
	α^1 Centauri.....	1'70	1'83	0'13	..	26
Oct. 3	B.A.C. 7516.....	0'35	1 15	0'80	..	22
9	α Pavonis.....	59'37	1'18	1'81	..	23
15	B.A.C. 7801.....	1'53	0'96	..	0'57	25
17	β Centauri... ..	0'77	0'80	0'03	..	26
	α^2 Centauri.....	1'00	0'80	..	0'20	26
	α^1 Centauri.....	59'34	0'80	0'46	..	26
24	B.A.C. 398.....	0'58	0'39	..	0'19	33
30	β Centauri... ..	0'36	0'51	0'15	..	26
Nov. 11	α Eridani.....	0'34	1'29	0'95	..	24
1873.						
June 30	B.A.C. 5626.....	34'01	33'76	..	0'25	29
	B.A.C. 5783.....	34'27	33'76	..	0'51	33
July 1	Anon.....	33'92	33'86	..	0'06	29
14	B.A.C. 5965... .	32'24	32'76	0'52	..	30
Sept. 22	β Octantis.....	28'61	28'63	0'02	..	48
25	Lacaille 8909.....	30'27	31'03	0'76	..	43
Oct. 13	B.A.C. 7841.....	29'79	30'47	0'68	..	29

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Zenith Point Corrections found from Observations of Stars North of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From Wire.			
		'	'	+	—	°
1872.						
March 18	θ Virginis.....	19'66	19'95	0'29	..	331
	α Virginis	19'04	19'95	0'91	..	337
19	ε Hydræ.....	21'31	20'22	..	1'09	319
	α Hydræ.....	18'44	20'19	1'75	..	334
	τ Leonis.....	19'05	20'19	1'14	..	323
	θ Virginis.....	18'51	20'19	1'68	..	331
21	π Leonis.....	18'88	20'32	1'44	..	318
	δ Leonis.....	19'17	20'32	1'15	..	322
	α Virginis.....	18'57	20'32	1'75	..	337
27	α Hydræ.....	18'99	17'47	..	1'52	334
April 5	β Leonis.....	12'33	13'62	1'29	..	311
	η Virginis.....	12'14	13'62	1'48	..	326
	35 Virginis.....	12'77	13'62	0'85	..	322
8	α Hydræ.....	12'97	13'80	0'83	..	334
	π Leonis.....	13'96	13'80	..	0'16	318
	δ Leonis.....	13'87	13'80	..	0'07	322
	ν Leonis.....	12'27	13'80	1'53	..	326
9	δ Virginis.....	14'44	13'53	..	0'91	322
	θ Virginis.....	13'72	13'53	..	0'19	331
	α Virginis.....	13'51	13'53	0'02	..	337
	τ Virginis.....	12'54	13'53	0'99	..	324
10	ζ Virginis.....	13'77	13'70	..	0'07	326
	ξ ³ Libræ.....	12'55	13'70	1'15	..	337
11	π Leonis.....	12'84	14'49	1'65	..	318
	μ Hydræ.....	13'23	14'49	1'26	..	342
	τ Leonis.....	12'99	14'49	1'50	..	323
	δ Leonis.....	13'28	14'49	1'21	..	322
	θ Virginis.....	13'12	14'49	1'37	..	331
	α Virginis.....	13'30	14'49	1'19	..	337
19	δ Crateris.....	14'33	14'63	0'30	..	340
	ν Leonis.....	13'74	14'63	0'89	..	326

Royal Observatory, Cape of Good Hope, 1871 to 1873. xxiii

Zenith Point Corrections found from Observations of Stars North of the Zenith, compared with the corresponding corrections found from the Nadir reflecting eye-piece.

Date.	Star.	Z.P. Correction.		Diff. (Wire — *)		Circle Reading.
		From *	From Wire.			
		"	"	+	—	°
1872.						
April 19	β Leonis.....	14'75	14'63	..	0'12	311
May 27	ζ Libræ.....	59'98	60'91	0'93	..	342
June 3	β Orionis.....	57'87	58'53	0'66	..	335
4	δ Aquilæ.....	59'17	58'49	..	0'68	323
Oct. 3	ϵ Aquarii.....	0'99	1'15	0'16	..	336
8	ϵ Pegasi.....	59'68	1'01	1'33	..	317
	α Aquarii.....	59'96	1'01	1'05	..	327
	η Aquarii.....	0'43	1'01	0'58	..	327
9	ξ Aquarii.....	59'77	1'18	1'41	..	335
15	ξ Aquarii.....	1'99	0'96	..	1'03	335
24	σ Piscium.....	58'94	0'39	1'45	..	318
1873.						
June 30	β Ophiuchi.....	33'08	33'76	0'68	..	322
July 14	σ Ophiuchi.....	31'66	32'76	1'10	..	322
Sept. 22	α Aquarii.....	28'96	28'63	..	0'33	327
25	α Aquarii.....	29'93	31'03	1'10	..	327

The reading for the Nadir point was $180^{\circ} 5' 16''.43$ on May 8, 1872, and $180^{\circ} 6' 10''.92$ on May 13, 1872. The difference is due to an arbitrary change of two revolutions, equivalent to $57''.096$, in the declination micrometer. During the remainder of the year 1872 and in the year 1873 the reading never differed more than $34''$ from $180^{\circ} 6' 0''$ and the minutes corresponding to each reading can be inferred from seconds which are given.

An inspection of these Tables shows at once the systematic character of the discordance between the zenith point corrections.

The mean results for 1871, 1872, and 1873 are

Z.P. correction from reflecting eye-piece = That from North Stars
 $+ 0''.715$
 = That from South Stars
 $+ 1''.05$

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The number of observations of stars by reflexion made in 1873 is small. The following are the results from the observations obtained in 1871 and 1872, viz. :—

$$\begin{aligned}\text{Z.P. corr. from reflecting eye-piece} &= \text{Corr. from North Stars} + 0''.70 \\ &= \text{Corr. from South Stars} + 1''.09\end{aligned}$$

The first determination depends upon 42 observations, and the mean zenith distance of the stars observed is 33° .

The second depends upon 171 observations. The mean zenith distance of the group is 25° .

As these results have been obtained before the correction for the change of flexure has been applied, it appears that, with the true flexure the discordance North and South of the zenith is sensibly the same, $0''.92$. Before deciding upon the best course to pursue to diminish as much as possible the effects of this systematic discordance upon the North Polar Distance observations, I thought it desirable to test the existence of any discordance in the circle readings by a discussion of the observations made in 1870, 1871 above and below the pole. A large number of observations above and below pole were made in November and December, 1870, and in the year 1871.

A correction for error in the mean refractions used was introduced. The result gave the correction for the error of mean refraction nearly insensible, but the observations above pole required to be increased, and those below pole diminished by $1''.15$. Such a quantity as error in assumed latitude is, I believe, inadmissible, and these observations, therefore, confirm the existence of some systematic error in the circle readings.

If we could legitimately assume that the only error was a constant error in the Nadir point corrections of $0''.92$, the North Polar Distances given in the Ledgers 1871, 1872, and 1873 would require sensibly the following correction :—

$$\text{N.P.D. above pole} = \text{Ledger result} + 1''.45 - 0''.357 \sin \text{Z.D.}$$

This correction includes the change in value of the flexure constant, and assumes an adopted latitude of

$$33^\circ 56' 3''.25 \text{ South.}$$

The latitudes thus found agrees almost identically with that deduced from the observations 1856-1860, when the discordance between the Nadir point corrections and those found from observations of stars by reflexion were at least small.

The method here proposed of assuming the observed discordance to be due solely to some constant error in the determination of the zenith points

by the reflecting eye-piece, may possibly be correct, but the assumption appears to me an arbitrary one. I can find no justification for it in any experiments I have been able to make upon the point.

There is one other method of proceeding which has occurred to me, which is as follows. Assume that from flexure, either in the telescope tubes or from the yielding at the junctures of the tubes with the central cube or from the distortion of the cube itself not being the same in reversed positions of the instrument, or generally from some relative shift of position depending upon change of strain in the wire frame and object glass, the circle readings require a periodic correction of the form,

$$\text{True reading} = \text{Obs}^d. + A. \sin Z. + B. \cos Z. + C. \sin 3 Z.$$

If with such a formula we attempt to reconcile the zenith point corrections, assuming the discordances to be $0''.70$ and $1''.07$, North and South respectively, we shall find

$$\text{Truereading} = \text{Obs}^d. Z.D.S. - 0''.364 \sin Z. + 0''.88 \cos Z. + 0''.253 \sin 3 Z.$$

The value of the coefficient of $\cos Z.$ is so large that I have endeavoured to control its determination by direct observations. I may mention, that I have carefully tried whether any sensible difference does exist between the Nadir points, determined after moving the instrument in different directions towards the Nadir. In the Cape instrument no such discordance appears to exist, nor is there any sensible change in the results obtained by shifting the circle readings under the microscopes and the reading of the telescope micrometer to an equal amount.

There are at the Observatory a theodolite and collimator, with apertures of about an inch and a half. The theodolite telescope does not clear its circle at much greater zenith distances than 150° . The theodolite and collimator were mounted as opposite telescopes, inclined at angles, 210° Z.D. and 30° Z.D. respectively. The theodolite rested upon a stone slab across the opening of the transit circle room. A detached platform was erected for an observer. The collimator was mounted on a wooden frame, resting upon the solid rock; a portion of the observing floor was removed for this purpose. The cross wires of the theodolite were first adjusted to centre wire, free from collimation error, and the horizontal wire of the transit-circle at 30° Z.D. The wires of the collimator were then similarly adjusted when the transit-circle was reading 210° . The observer at the theodolite then brought the micrometer wire of this instrument into coincidence with the horizontal wire of the collimator, by vision through the circular apertures of the cube of the transit-circle. When the wires were apparently in coincidence, the object glass of the transit-circle was turned upon that of the theodolite, and the instru-

ment clamped, and the readings taken for coincidence of the horizontal wire. The instrument was then turned upon the collimator, and similar readings taken. Finally, as a check, the object glass was again turned upon the theodolite, which was somewhat exposed, and the readings again taken. If the two sets of readings of the theodolite wire coincidence did not differ much, the set was considered satisfactory.

When twenty-one such sets had been made, the theodolite was mounted towards the North, with its telescope at an angle of 150° Z.D., and the collimator was mounted in the pit towards the South, and similar observations were made. Fourteen sets were made in these positions of the instruments.

To avoid the effects of personality as much as possible, the observations at the theodolite and eye-piece of the transit-circle were about equally distributed between me and Mr. G. Maclear. The circle microscopes were read by Mr. Freeman. These observations were continued at favourable opportunities through May, 1872.

The results are as follows:—

(1st set) reading for North collim. = that for South Theo. + $1''.86$.

(2nd set) reading for South collim. = that for North Theo. + $2''.15$.

If we assume, as before, that the flexure is of the form

$$A. \sin Z. + B. \cos Z. + C. \sin 3 Z.,$$

Then since $A. - C = -0''.617$

$$\text{True Readg.} = \text{Readg. of cir.} - 0''.460 \sin Z. + 1''.15 \cos Z. + 0''.157 \sin 3 Z.$$

The result, therefore, confirms the existence of the large value of B determined from the discordances between the Nadir point readings.

Unfortunately the only collimating telescopes which I could mount have very small apertures in comparison with that of the transit-circle, and their focal lengths are too small to bear well even the power employed.

The value of the constants in the assumed formula deduced from a discussion of the zenith point corrections, and from direct observations of the coincident wires of the theodolite and collimator agree as closely as could be expected with instruments such as those employed. The quantities dealt with are, however, small, and the range of variation of zenith distances available is not sufficient to insure perfect confidence that a proper assumption of the form of the correction required has been made. I however consider the assumption a legitimate one. In the following Table of corrections the correction for the error in Nadir point reading is included.

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*Numerical Values of the Correction — $0.364 \sin Z. + 0.88 (1 + \cos Z.)$
 $+ 0.253 \sin 3Z$ for every degree of N.P.D. from 34° above
to 146° below Pole.*

N.P.D.		N.P.D.		N.P.D.		N.P.D.		N.P.D.		S.P.	
										N.P.D.	
°	'	°	'	°	'	°	'	°	'	°	'
34	+1.50	69	+1.61	104	+1.61	139	+1.83	174	+1.31	179	-1.10
35	1.51	70	1.61	105	1.61	140	1.83	175	1.28	178	1.07
36	1.53	71	1.60	106	1.62	141	1.83	176	1.25	177	1.04
37	1.55	72	1.60	107	1.63	142	1.82	177	1.22	176	1.01
38	1.56	73	1.60	108	1.63	143	1.82	178	1.19	175	0.98
39	1.57	74	1.59	109	1.64	144	1.82	179	1.16	174	0.95
40	1.58	75	1.59	110	1.65	145	1.81	180	+1.13	173	0.92
41	1.60	76	1.58	111	1.66	146	1.81			172	0.89
42	1.60	77	1.58	112	1.66	147	1.80			171	0.86
43	1.61	78	1.58	113	1.67	148	1.79			170	0.83
44	1.61	79	1.57	114	1.68	149	1.78			169	0.80
45	1.62	80	1.57	115	1.69	150	1.78			168	0.77
46	1.63	81	1.57	116	1.70	151	1.77			167	0.74
47	1.63	82	1.56	117	1.71	152	1.75			166	0.71
48	1.64	83	1.56	118	1.71	153	1.74			165	0.69
49	1.64	84	1.56	119	1.72	154	1.73			164	0.66
50	1.64	85	1.56	120	1.73	155	1.72			163	0.63
51	1.65	86	1.56	121	1.74	156	1.70			162	0.60
52	1.65	87	1.56	122	1.75	157	1.69			161	0.58
53	1.65	88	1.56	123	1.76	158	1.67			160	0.55
54	1.65	89	1.56	124	1.76	159	1.65			159	0.53
55	1.65	90	1.56	125	1.77	160	1.64			158	0.50
56	1.65	91	1.56	126	1.78	161	1.62			157	0.48
57	1.65	92	1.56	127	1.79	162	1.60			156	0.45
58	1.65	93	1.56	128	1.79	163	1.58			155	0.43
59	1.65	94	1.56	129	1.80	164	1.56			154	0.41
60	1.64	95	1.56	130	1.80	165	1.53			153	0.39
61	1.64	96	1.57	131	1.81	166	1.51			152	0.37
62	1.64	97	1.57	132	1.81	167	1.49			151	0.35
63	1.64	98	1.58	133	1.82	168	1.46			150	0.33
64	1.63	99	1.58	134	1.82	169	1.44			149	0.31
65	1.63	100	1.58	135	1.82	170	1.41			148	0.29
66	1.63	101	1.59	136	1.83	171	1.39			147	0.28
67	1.62	102	1.59	137	1.83	172	1.36			146	-0.26
68	+1.62	103	+1.60	138	+1.83	173	+1.33				

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The corrections given in the Table are those applicable to the direct circle readings, on the assumption that these circle readings are affected by an error of the form

$$A. \sin Z. + B. \cos Z. + C. \sin 3 Z.$$

When Stars have been observed by reflexion the Mean N.P.D. of the direct and reflexion result is always given in the Ledger. The proper correction to the mean result has in all cases been investigated and applied to the Catalogued result.

The corrections of the Table have been inadvertently applied to the Ledger Results in N.P.D. without any allowance for the correction of $- 0''.26 \sin Z.$ which had been already applied to the circle readings. The following Table exhibits the corrections on assumption (1) and (2), and those applied to the Ledger Results.

N.P.D. direct.	On 1st Assumption.	On 2nd Assumption.	Corrections applied.
0	"	"	"
124	+ 1.45	+ 1.76	+ 1.76
134	1.39	1.81	1.82
144	1.33	1.86	1.82
154	1.27	1.84	1.73
164	1.22	1.71	1.56
174	1.18	1.49	1.31
180	1.16	1.33	1.13

The greatest differences between the corrections in assumptions (1) and (2) do not amount to $0''.6$, and this, I believe, exceeds any outstanding systematic errors of the catalogued results, and must greatly exceed those errors unless the assumption of the form of the correction required by the circle readings $A. \sin Z. + B. \cos Z. + C. \sin 3 Z.$ is erroneous.

In the reductions the adopted latitude has been

$$33^{\circ} 56' 3''.2 \text{ South.}$$

If we assume that the true latitude is

$$(33^{\circ} 56' 3''.2 + x) \text{ South.}$$

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The catalogued results for 1871, 1872, and 1873 give rise to the following equations for the determination of x :—

$$1871. 163.8 \times (2x) = -29.319; \quad x = -0.090$$

$$1872. 35.0 \quad \quad \quad = -29.345; \quad x = -0.419$$

$$1873. 103.6 \quad \quad \quad = -33.634; \quad x = -0.162$$

or $x = -0''.15$ from the results of the whole Observations.

The correction in 1872 depends unduly upon the results of the observations made on July 3 and July 5. 17 out of the 27 available comparisons of observations above and below pole during the year, depend upon the observations made on those two days.

The correction $-0''.15$ has not been applied in the results of the present volume.

It may be useful to mention that a revolution of the Declination and Right Ascension micrometers is equal to $28''.548$ and $14''.268$ respectively.

In the year 1871 some observations of the sun were made with the transit circle.

The correction to the time of passage of the sun's diameter given in the nautical almanac for the year, appeared from 23 observations to be insensible. The tabular vertical semi-diameter of the sun given in the nautical almanac appeared from 41 observations to be too small by $+0''.36$.

A few observations of occultations of Stars by the Moon and of Comets made during the years 1871 and 1872 will be found in this volume.

The observations with the transit-circle in 1871 were made by Messrs. Stone, Mann, G. Maclear, I. Freeman, J. Sinfield, and C. M. Stevens. The observations made by these gentlemen are indicated by the letters S. W. G. F. J. and C. prefixed to the observations.

Mr. Sinfield died on September 18, 1871.

The observations in 1872 were made by Messrs. Stone, Mann, G. Maclear, I. Freeman, and C. M. Stevens. The observations made by these gentlemen are denoted by the letters S. W. G. I. and C. prefixed to the observations.

Mr. Mann was taken seriously ill on April 25, 1872, after which date his connexion with the Observatory work ceased; he died on April 30, 1873. Mr. Mann's illness seriously interfered with the work of the year. His connection with the Observatory extended from the year 1839.

The observations in 1873 were made by Messrs. E. J. Stone, H. M. Astronomer; W. H. Finlay, First Assistant; G. Maclear, Second Assistant;

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C. M. Stevens, Third Assistant ; and I. Freeman, Fourth Assistant. The observations made by these gentlemen are distinguished by the letters S. F. G. C and I. The distribution of the observing work for the week is arranged by me on each Monday morning. The principal part of my own time has been occupied in the examination of, and general superintendence of the reductions, and in passing the results through the press. I have not generally, unless during the illness, or absence from other cause, of some of the assistants, taken a very active part in the meridian observing, but I have made it a rule to observe occasionally to test the adjustments of the instrument. The insertion of wires, all delicate adjustments, and determination of instrumental constants have been considered as a part of my duty. I am alone answerable for the direction of the work and for the accuracy of the published results.

Mr. Finlay has observed regularly with the transit-circle, and taken a leading part in the examination of the reductions.

Mr. G. Maclear, has made a large proportion of the observations included in the present volume, and it is my duty to call attention to the zeal he has displayed in the observing portion of his duties.

A desire has been expressed by some Astronomers, to whose opinions great weight must be attached, that the results of the Cape observations should be printed in detail in the same manner as the Greenwich observations. I should be glad if such a plan were practicable. The work actually performed at the Observatory would be much more fairly represented when the results were thus printed in detail, and the importance of any work done here would most probably receive fuller recognition than when the result of three years' work are condensed into a single volume ; but the mere preparation of the copy for press of all the observations in detail would require an increase to our staff. The increased expense of the printing would be great, and, what I deem of far more importance, the work would progress but very slowly. It would take a long time to pass such a mass of figures as the details of a year's observing at this Observatory through the Cape press. Under the present condensed form of printing, I have been able to push forward the reductions faster than the printing could be performed here, and by permission of My Lords Commissioners of the Admiralty the results of the observations 1872 and 1873 contained in the present volume, were printed during my visit to England, in the summer of 1875, by Messrs. Eyre & Spottiswoode.

There are no doubt advantages in special inquiries to be derived from the printing of all the details of the observations, but I consider that such advantages would be dearly purchased by any serious delay in bringing forward the results of the observations and I am not therefore prepared to change a plan of publication which was adopted after a careful consideration of the means at my disposal.

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The latitude and longitude of the transit-circle assumed in the reductions are those determined by Mr. Thos. Henderson.

Latitude $33^{\circ} 56' 3''.2$ South.

Longitude $1^{\text{h}} 13^{\text{m}} 55^{\text{s}}$ East of Greenwich.

The errors of these determinations appear to be very small.

E. J. STONE.

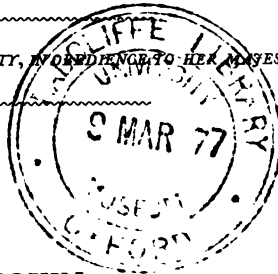
Royal Observatory, Cape of Good Hope,
December 6, 1875.



RESULTS
OF
ASTRONOMICAL OBSERVATIONS
MADE AT THE
ROYAL OBSERVATORY,
CAPE OF GOOD HOPE,
DURING THE
YEARS 1871, 1872, & 1873,

UNDER THE DIRECTION OF
EDWARD JAMES STONE, M.A., F.R.S.; F.R.A.S.
C. M. DE LA SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG,
HONORARY FELLOW OF QUEENS' COLLEGE, CAMBRIDGE,
AND
HER MAJESTY'S ASTRONOMER AT THE CAPE OF GOOD HOPE.

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ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

TABLES
OF
INSTRUMENTAL CORRECTIONS.
1871.

TABLE I.

Errors of Collimation of the Transit-circle, 1871.

Day.	Error of Collimation.	Day.	Error of Collimation.	Day.	Error of Collimation.
Jan. 1 — Jan. 4	— 0'034	June 15 — June 20	— 0'018	Aug. 9 — Aug. 11	+ 0'004
Jan. 5 — Jan. 18	0'043	June 21	0'010	Aug. 12 — Aug. 14	— 0'002
Jan. 19 — Feb. 1	0'036	June 22 — June 27	0'002	Aug. 20 — Aug. 29	0'008
Feb. 2 — Feb. 15	0'036	June 28 — June 30	0'010	Sept. 3 — Sept. 9	0'026
Feb. 16 — Mar. 1	0'039	July 1 — July 4	— 0'017	Sept. 10 — Sept. 16	0'024
Mar. 2 — Mar. 15	0'036	July 5 — July 6	+ 0'001	Sept. 17 — Sept. 23	0'033
Mar. 16 — Mar. 29	0'034	July 11	— 0'005	Sept. 24 — Sept. 30	0'033
Mar. 30 — Apr. 12	0'036	July 12 — July 14	+ 0'007	Oct. 1 — Oct. 7	0'030
Apr. 13 — Apr. 20	0'034	July 17	— 0'014	Oct. 8 — Oct. 9	0'022
Apr. 21 — Apr. 27	0'036	July 21	0'016	Oct. 12 — Oct. 17	0'018
Apr. 28 — May 4	0'015	July 24	0'009	Oct. 18 — Oct. 25	0'033
May 5 — May 11	0'036	July 25	0'008	Oct. 27 — Nov. 3	0'025
May 12 — May 17	0'028	July 26 — July 27	0'017	Nov. 4 — Nov. 13	0'032
May 18 — May 24	0'021	July 30 — July 31	0'012	Nov. 16 — Nov. 17	0'027
May 25 — May 31	0'025	Aug. 1 — Aug. 2	— 0'004	Dec. 4 — Dec. 7	0'027
June 1 — June 7	0'016	Aug. 3	+ 0'004	Dec. 14 — Dec. 30	— 0'031
June 8 — June 14	— 0'023	Aug. 4 — Aug. 8	0'000		
The Reading of the Collimation Micrometer was 30".200 throughout the Year.					

TABLE II.

Level and Azimuthal Errors of the Transit-circle, 1871.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
January 5	J	-1'118	-1'119	+1'101	March 10	F	-1'967		
6	F	-1'120			11	G	-1'995		
8	J	-1'140	-1'136		11	F	-1'982	-1'989	
9	F	-1'132			14	F	-2'009	-2'012	+1'094
12	F	-1'175	-1'184	+1'152	15	C	-2'014		
13	J	-1'192			16	J	-2'045		
15	J	-1'232			20	C	-2'068	-2'069	+0'804
17	J	-1'256			21	J	-2'070		
18	F	-1'283			22				
20	G	-1'320			23	J	-2'077	-2'086	
26	J	-1'361			23	J	-2'095		
30	F	-1'460			24	C	-2'113		
31	J	-1'475						-2'135	
February 2	F	-1'511	-1'518	+1'434	27	J	-2'156		+0'883
3	J	-1'525			31	F	-2'179		
7	C	-1'553			April 3	C	-2'167		
8	F	-1'555	-1'554	+1'367	3	C	-2'158		
13	J	-1'647			8	J	-2'164		
14	C	-1'667			11	J	-2'178		
15	F	-1'687			12	F	-2'183		
16	J	-1'707			13	J	-2'183		+0'669
20	J	-1'754	-1'766	+1'229	13	C	-2'181	-2'183	
21	F	-1'777			13	C	-2'181		
22	C	-1'815			14	J	-2'188		
24	F	-1'814	-1'814		18	J	-2'241	-2'235	+0'603
March 1	F	-1'859	-1'862	+1'076	19	C	-2'211		
2	J	-1'866			20	F	-2'252		
3	C	-1'881			25	J	-2'244		+0'456
6	J	-1'914			26			-2'244	+0'468
7	C	-1'939							
9	J	-1'964							
10	F	-1'965	-1'965	+1'094					

TABLE II.—*Continued.**Level and Azimuthal Errors of the Transit-circle, 1871.*

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
April 27	F	-2'264	-2'268	.	June 22	C	-2'387	-2'387	.
28	J	-2'272			22	C	-2'413		
30	C	-2'329			27	C	-2'360		+0'430
30	C	-2'332			28	J	-2'309	-2'309	
May 1			-2'325	+0'556	29	F	-2'252		
2	C	-2'325			30	C	-2'209	-2'209	
3	F	-2'298	-2'294	+0'562	July 3	J	-2'114	-2'114	+0'642
5	C	-2'290			4	F	-2'079	-2'079	
23	F	-2'280			5	W	-2'062	-2'062	
30	W	-2'303		+0'459	5	J	-2'049	-2'049	
30	C	-2'300	-2'302		5	G	-2'042	-2'042	
30	G	-2'302			6	C	-2'047		
31	F	-2'323	-2'323		11	C	-2'008	-2'008	+0'646
June 2	G	-2'342		+0'467	12	G	-1'989	-1'989	
2	C	-2'353	-2'342		12	J	-1'974	-1'974	
2	W	-2'332			12	W	-1'971	-1'971	
7	C	-2'338		+0'413	13	F	-1'985		+0'677
8	W	-2'358			13	F	-1'996		
8	J	-2'356	-2'361		17	C	-2'013	-2'013	
8	G	-2'368			18	W	-1'984		
9	F	-2'368	-2'368		18	J	-1'985		
12	C	-2'367		+0'286	21	F	-1'933		
13	F	-2'334	-2'333		24	W	-1'806	-1'806	+0'677
14	F	-2'332			24	J	-1'795	-1'795	
18	G	-2'296			24	G	-1'768	-1'768	
19	G	-2'304	-2'308	+0'217	25	W	-1'783	-1'783	+0'699
20	F	-2'306			26	F	-1'786	-1'786	+0'703
20	G	-2'324			27	G	-1'778	-1'778	+0'707
21	G	-2'335			27	J	-1'766	-1'766	
21	J	-2'322	-2'335		27	W	-1'752	-1'752	
21	W	-2'344			31	C	-1'669	-1'669	+0'757
					August 1	F	-1'619		
					3	W	-1'597	-1'597	+0'807

TABLE II.—*Concluded.*

Level and Azimuthal Errors of the Transit-circle, 1871.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
August	3	J	-1'592	-1'592					
	3	G	-1'587	-1'587					
	4	F	-1'604	-1'604					
	4	F	-1'591						
	10	G	-1'503	-1'503					
	10	J	-1'504	-1'504					
	10	W	-1'499	-1'499					
	11	F	-1'503	-1'503					
	14	F	-1'512						
	21	G	-1'377	-1'377					
	22	G	-1'384	-1'384					
September	5	C	-1'296						
	5	G	-1'297						
	8	W	-1'301						
	11	C	-1'258						
	12	C	-1'245						
	14	C	-1'221						
	15	C	-1'189						
	18	C	-1'150						
	18	G	-1'163						
October	1	G	-1'127						
	3	F	-1'115						
	6	C	-1'107						
	7	C	-1'103						
	12	C	-1'119	-1'119					
	13	F	-1'138	-1'138					
	14	C	-1'158						
	15								
	16	F	-1'182	-1'182					
	16	G	-1'171	-1'171					
October	17	C	-1'162						
	17	F	-1'147	-1'147					
	19	G	-1'156	-1'156					
	23	C	-1'075						
	24	C	-1'087						
	25	C	-1'092	-1'092					
	25	F	-1'067						
	27	F	-1'036	-1'036					
	28	C	-1'035						
	30	G	-1'061						
	31	C	-1'048						
November	4								
	10	F	-1'057						
	16	C	-1'002						
	17	C	-0'991						
	19	C	-1'041						
December	6	C	-1'183	-1'183					
	7	G	-1'202	-1'202					
	15	F	-1'263	-1'263					
	16	C	-1'279	-1'279					
	18	C	-1'348	-1'348					
	20	F	-1'293	-1'293					
	21	C	-1'290	-1'290					
	22	F	-1'307	-1'307					
	22	F	-1'312	-1'312					
	23	F	-1'335	-1'335					
	27	C	-1'379	-1'379					
	28	F	-1'381	-1'381					
	28	F	-1'396						

August 28. Pivots cleaned and oiled.

TABLE III.

Azimuthal Errors of the Transit-circle, observed in 1871.

Day of Observation.	Error of Azimuth.	How determined.
January 8—9	+ 1'101	Three Consecutive Transits of α Trianguli Australis.
12—13	+ 1'152	Three Consecutive Transits of α Trianguli Australis.
February 2—3	+ 1'434	Two Consecutive Transits of α Trianguli Australis.
7—9	+ 1'367	Five Consecutive Transits of β Hydri.
23—24	+ 1'229	Four Consecutive Transits of β Hydri.
March 1—2	+ 1'076	Three Consecutive Transits of β Pavonis.
9—10	+ 1'094	Three Consecutive Transits of β Argûs.
12	+ 0'858	Meridian Mark.
26—27	+ 0'883	Two Consecutive Transits of α Tucanæ.
29	+ 0'612	Meridian Mark.
30	+ 0'602	"
31	+ 0'668	"
April 14	+ 0'669	Two Consecutive Transits of β Hydri.
18	+ 0'603	Two Consecutive Transits of β Hydri.
20	+ 0'479	Meridian Mark.
23	+ 0'428	"
24	+ 0'399	"
25	+ 0'456	Two Consecutive Transits of β Hydri.
27	+ 0'283	Meridian Mark.
26—28	+ 0'468	Five Consecutive Transits of β Hydri.
May 1—3	+ 0'556	Five Consecutive Transits of β Hydri.
3	+ 0'320	Meridian Mark.
4	+ 0'353	"
4—5	+ 0'562	Two Consecutive Transits of β Hydri.
6	+ 0'305	Meridian Mark.
8	+ 0'447	"
8	+ 0'437	"
11	+ 0'423	"
11	+ 0'363	"
14	+ 0'384	"
18	+ 0'310	"
22	+ 0'225	"
30	+ 0'288	"
30	+ 0'459	Mean of Consecutive Transits of Five Close-Polar Stars.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1871.

Day of Observation.		Error of Azimuth.	How determined.
June	2	+ 0.466	Mean of Consecutive Transits of Six Close-Polar Stars.
	4	+ 0.344	Meridian Mark.
	8	+ 0.262	"
	8	+ 0.413	Mean of Consecutive Transits of Eight Close-Polar Stars.
	10	+ 0.260	Meridian Mark.
	13	+ 0.286	Two Consecutive Transits of γ Hydri.
	15	+ 0.135	Meridian Mark.
	17	+ 0.127	"
	19	+ 0.143	"
	21	+ 0.217	Mean of Consecutive Transits of Six Close-Polar Stars.
	24	+ 0.120	Meridian Mark.
	27	+ 0.095	"
July	5	+ 0.642	Mean of Consecutive Transits of Six Close-Polar Stars.
	11	+ 0.465	Meridian Mark.
	11	+ 0.459	"
	12	+ 0.440	"
	12	+ 0.646	Mean of Consecutive Transits of Five Close-Polar Stars.
	13	+ 0.677	Mean of Consecutive Transits of Two Close-Polar Stars.
	14	+ 0.394	Meridian Mark.
	16	+ 0.542	"
	17	+ 0.560	"
	18	+ 0.521	"
	18	+ 0.538	"
	20	+ 0.515	"
	24	+ 0.496	"
	24	+ 0.557	"
	24	+ 0.677	Mean of Consecutive Transits of Six Close-Polar Stars.
	24—25	+ 0.699	Mean of Consecutive Transits of Two Close-Polar Stars.
	26	+ 0.499	Meridian Mark.
	27	+ 0.707	Mean of Consecutive Transits of Six Close-Polar Stars.
August	28	+ 0.557	Meridian Mark.
	3	+ 0.807	Mean of Consecutive Transits of Five Close-Polar Stars.
	6	+ 0.602	Meridian Mark.
	8	+ 0.587	"

TABLE III.—*Concluded.**Azimuthal Errors of the Transit-circle, observed in 1871.*

Day of Observation.		Error of Azimuth.	How determined.
August	9	+ 0.613	Meridian Mark.
	10	+ 0.760	Mean of Consecutive Transits of two Close-Polar Stars.
	14	+ 0.593	Meridian Mark.
	19	+ 0.623	"
	21—22	+ 0.802	Four Consecutive Transits of γ Hydri.
	21—22	+ 0.788	Four Consecutive Transits of B.A.C. 5412.
	22	+ 0.622	Meridian Mark.
	23	+ 0.654	"
September	5	+ 0.655	"
	8	+ 0.635	"
	29	+ 0.511	"
October	12	+ 0.559	"
	12—13	+ 0.714	Three Consecutive Transits of β Hydri.
	16	+ 0.675	Meridian Mark.
	16	+ 0.683	Two Consecutive Transits of β Argûs.
	15—16	+ 0.717	Two Consecutive Transits of β Hydri.
	17	+ 0.678	Meridian Mark.
	18—19	+ 0.594	Three Consecutive Transits of β Argûs.
	21	+ 0.540	Meridian Mark.
	23—25	+ 0.731	Four Consecutive Transits of β Argûs.
	27	+ 0.713	Two Consecutive Transits of β Argûs.
	30	+ 0.635	Meridian Mark.
November	3—4	+ 0.725	Three Consecutive Transits of β Hydri.
	27	+ 0.871	Meridian Mark.
December	4	+ 0.937	"
	4	+ 0.993	"
	5—7	+ 1.045	Five Consecutive Transits of β Hydri.
	7	+ 1.029	Two Consecutive Transits of γ Muscæ.
	15	+ 1.088	Two Consecutive Transits of β Hydri.
	19—21	+ 1.038	Three Consecutive Transits of β Hydri.

TABLE IV.

Rates of the Transit-clock used in the reduction of the Observations during the Year 1871.

Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.
Jan. 3	+ 1'02	April 19	+ 1'13	July 5	- 0'60	Oct. 13	- 0'29
4	1'02	25	1'19	6	0'60	15	0'27
6	1'01	27	1'26	7	0'56	16	0'14
8	1'00	28	1'28	10	0'60	17	0'14
12	1'16	30	1'21	11	0'60	19	0'48
13	1'16	May 1	1'00	12	0'60	22	- 0'66
16	1'16	2	0'94	13	0'59	25	+ 0'17
Feb. 1	1'16	3	1'08	16	0'38	27	0'41
2	1'19	5	1'00	17	0'38	Nov. 3	0'34
3	1'21	29	1'00	23	0'34	5	0'34
7	1'06	30	1'00	24	0'35	6	0'25
8	1'04	31	0'96	25	0'28	8	+ 0'04
9	1'02	June 1	0'89	26	0'19	9	- 0'33
10	1'06	2	0'90	27	0'27	10	0'51
21	1'13	3	0'95	30	0'51	12	0'26
22	1'00	4	0'95	Aug. 1	0'54	13	- 0'26
23	1'04	5	0'99	2	0'61	Dec. 4	+ 1'42
24	1'06	8	1'00	3	0'59	5	1'44
28	1'06	9	1'02	4	0'53	6	1'43
Mar. 1	1'03	13	1'02	8	0'45	7	1'43
2	0'94	15	0'98	9	0'55	11	1'30
9	1'06	16	0'92	10	0'55	14	1'36
10	1'15	19	0'89	11	0'54	15	1'40
12	1'10	20	0'68	14	0'42	17	1'47
13	1'10	21	0'54	20	0'65	19	1'52
20	1'20	22	0'54	21	0'66	20	1'49
21	1'27	22	+ 0'37	22	0'64	21	1'57
23	1'28	26	- 0'69	24	0'67	22	1'56
25	1'31	28	0'62	25	0'70	25	1'50
27	1'32	29	0'58	27	0'63	26	1'48
April 13	1'23	30	0'56	29	0'56	27	+ 1'48
14	1'23	July 3	0'60	Oct. 9	0'24		
17	+ 1'13	4	- 0'60	12	- 0'23		

TABLE V.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1871.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Jan. 5	F	⁰ 180 349	^r 4·825 4·824	Feb. 20	J	⁰ 82 35	^r 4·831 4·820	Mar. 14	J	⁰ 329 146	^r 4·829 4·835
6	F	345	4·818	21	F	284 68	4·832 4·811		F	309 71	4·840 4·829
9	F	308 41	4·826 4·829	24	F	291	4·844			26	4·825
12	F	324	4·832	Mar. 1	F	322 29	4·833 4·838	15	J	328 24	4·826 4·815
13	J	81 32	4·824 4·831	2	J	82 79	4·831 4·818			180	4·835
17	J	180 50 32	4·832 4·828 4·829	6	J	79 35 180	4·817 4·817 4·836	16	F	328 24	4·831 4·828
18	F	334	4·831			26 151	4·829 4·830		J	180 79	4·833 4·828
20	G	70 290	4·829 4·834	7	J W	24 90	4·831 4·818			26 180	4·831 4·827
26	J	82 304	4·818 4·822	9	J	79 35 26 27	4·818 4·827 4·826 4·826	18	J	327	4·831
30	F	46	4·825					20	F	326 24	4·835 4·824
31	J	77	4·823	10	F	24 55 311 151	4·829 4·823 4·822 4·837		J	180 24	4·833 4·835
Feb. 2	F	180	4·839					21	F	326 24	4·838 4·835
3	J	81	4·832	11	J	330 24	4·825 4·826			47 180	4·824 4·830
8	F	66	4·831							26 180	4·828 4·829
13	J	32 180	4·826 4·834	13	J	329 156 180	4·832 4·817 4·836	22	F	326 22	4·831 4·832
15	F	69	4·831								
16	J	67 287 53 286	4·830 4·813 4·830 4·829								

TABLE V.—Continued.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1871.

Day.	Observer.	Pointer Reading	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Mar. 23	F	0 326	r 4·833	Apr. 8	J	0 24	r 4·831	Apr. 25	J	0 29	r 4·825
	J	24 180	4·817 4·836			180	4·826			45 180	4·814 4·825
		79 35	4·831 4·831	11	J	24 180	4·824 4·832	26	F	24 180	4·828 4·831
		274 26	4·825 4·822	12	F	24 180	4·828 4·833	27	F	38 180	4·824 4·829
		180	4·833							180 26	4·832 4·828
24	F	325	4·824	13	J	24 180	4·826 4·828				
	J	24 180	4·822 4·831		G	270 307	4·822 4·832	28	J	38 286	4·826 4·821
25	F	324 24	4·832 4·831	14	J	24 180	4·828 4·832		F	26 180	4·827 4·834
		180	4·831			34	4·822				
27	F	324	4·825			291	4·824	30	C	312 320	4·807 4·817
	J	24 180	4·829 4·833			180	4·834			180	4·834
28	F	323 24	4·826 4·823	18	J	45 76	4·816 4·817	May 1	F	24 180	4·827 4·830
		180	4·833			291	4·826				
31	F	35 31	4·833 4·831			180	4·827	2	C	32 24	4·830 4·832
					F	26 24	4·819 4·830		F	180	4·826
Apr. 1	C	322 299	4·821 4·836	19	F	180 327	4·829 4·829	3	F	311 41	4·827 4·828
	F	24	4·831		C	24	4·835			180	4·830
3	F	24 180	4·823 4·839	20	F	180 306	4·830 4·828		J	24 180	4·824 4·826
	C	306	4·826			180	4·830	4	C	344	4·830
4	F	321 22	4·828 4·833			26 180	4·829 4·830				
		180	4·834								

TABLE V.—Continued.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1871.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
May 5	C	⁰ 34 311	^r 4·822 4·828	June 10	J	⁰ 303 270	^r 4·822 4·825	June 28	J	⁰ 303 31 180	^r 4·827 4·822 4·826
8	J	270	4·832	12	C	180	4·827	29	J	303	4·829
	F	270	4·831			29	4·829		F	26	4·825
	G	270	4·831	13	J	303	4·824			180	4·844
11	G	270	4·833		F	51	4·831			180	4·829
	F	270	4·837			180	4·827				
18	G	270	4·828	15	J	303	4·826	30	F	303	4·825
23	F	26	4·832	17	J	303	4·824		C	271	4·826
29	G	40	4·823	18	G	180	4·838	July 3	J	279	4·820
30	C	63 316	4·832 4·825	19	G	24	4·820			35	4·817
	G	51	4·827	20	J	303	4·826	4	F	26	4·824
					F	26	4·826			180	4·826
31	F	68	4·823			180	4·825			180	4·828
		25	4·831		G	24	4·827				
		180	4·828	21	J	303	4·828	5	W	60	4·820
June 2	G	60	4·822		G	59	4·826		J	55	4·820
	C	340	4·820			55	4·828			180	4·827
		323	4·828		J	180	4·827			60	4·820
	W	56	4·815			60	4·832		G	60	4·823
4	G	270	4·829			52	4·818			55	4·824
8	G	270	4·830			60	4·821	6	C	26	4·833
	W	51	4·829	22	W	53	4·826				
	J	52	4·826		J	303	4·827	11	C	26	4·827
		180	4·828		C	35	4·834				
	G	52	4·830			313	4·823	12	G	55	4·833
		53	4·822	23	J	303	4·822		J	61	4·822
9	F	76	4·825	24	J	303	4·828			55	4·828
		26	4·828		G	270	4·826			180	4·829
		180	4·827	27	C	26	4·830			60	4·832
									W	59	4·810

TABLE V.—Continued.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1871.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
July 13	W	59	4.812	Aug. 3	J	53	4.821	Sept. 15	C	26	4.823
	F	341	4.828		G	58	4.822	18	C	26	4.833
		336	4.831			58	4.825		G	24	4.826
		180	4.827	4	F	346	4.822	Oct. 1	G	180	4.832
17	C	180	4.828			180	4.825	6	C	26	4.825
21	F	341	4.825			24	4.828	7	C	26	4.831
						180	4.832				
24	W	61	4.820	10	G	60	4.824	12	C	87	4.830
		52	4.821			55	4.826	13	F	82	4.832
	J	180	4.825		J	180	4.825			180	4.829
		56	4.826			56	4.820			180	4.825
		53	4.819			53	4.827	14	C	26	4.831
	G	52	4.830		W	52	4.826			26	4.832
		59	4.824			59	4.828	16	F	26	4.827
25	W	60	4.825			51	4.824			180	4.829
		53	4.831	11	F	11	4.823		G	82	4.826
26	F	346	4.825			180	4.827			34	4.815
		180	4.823			180	4.824	17	C	26	4.825
27	G	60	4.830	14	F	26	4.826		F	82	4.828
		60	4.825			180	4.827			180	4.828
	J	51	4.828	16	G	63	4.826	19	G	82	4.826
		180	4.821	21	G	41	4.826			34	4.825
	W	57	4.825	22	G	52	4.826	23	C	26	4.828
		52	4.828					24	C	154	4.825
31	C	277	4.818	Sept. 5	C	283	4.836	25	C	154	4.825
Aug. 1	F	12	4.825		G	180	4.829			26	4.826
3	W	54	4.826	6	C	320	4.825		F	26	4.830
		52	4.821	8	F	320	4.823			180	4.829
		60	4.822	11	C	321	4.822			180	4.833
	J	180	4.826	12	C	25	4.826				

TABLE V.—*Concluded.*

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1871.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Oct. 27	G	90 270 180	r 4·827 4·830 4·830	Nov. 17	C	154 26	r 4·824 4·829	Dec. 20	F	350 350	r 4·836 4·828
28	C	26	4·826	Dec. 6	C	24	4·830	21	C	350	4·831
30	G	74 75	4·831 4·822	7	G	80 180	4·833 4·832	22	F	350 302 180	4·834 4·834 4·832
31	C	83 87 24	4·827 4·828 4·824	8	C	180	4·829	23	F	350	4·835
Nov. 10	F	180	4·832	15	F	180	4·833	27	F	349	4·837
16	C	154	4·830	16	G	349	4·827	28	F	349 38 180	4·829 4·831 4·828
18	C			18	C	349	4·829				

TABLE VI.

Nadir Points of the Transit-Circle, 1871.

The Circle-reading for the Nadir has not differed more than 11" from 180° 5' 16" during the Year.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Jan. 4	Wire...	..	13'84		Mar. 14 12	Wire...	25'40	25'40	F
6 0	..	13'84	..	J	15 2	..	25'45	25'45	J
7 0	..	14'03	14'03	F	16 2	..	25'55	25'55	J
9 10	..	15'17	15'17	F	16 11	..	25'47	25'47	J
12 10	..	16'37	16'37	F	16 15	..	25'11	25'11	J
13 11	..	17'00	17'00	J	18	..	..	23'88	
17 8	..	18'52	18'52	J	20 2	..	23'88	23'88	J
18 10	..	18'55	18'55	F	21 2	..	23'54	23'54	F
20 10	..	19'34	19'34	G	21 11	..	24'17	24'17	J
26 11	..	20'35	20'35	J	21 15	..	23'87	23'87	J
30 10	..	21'74	21'74	F	22	..	..	23'87	
31 12	..	21'66	21'66	J	22 2	..	23'96	23'96	F
Feb. 1	22'08		23 2	..	23'90	23'90	J
8 10	..	23'72	23'72	F	23 15	..	23'91	23'91	J
13 11	..	24'87	24'87	J	24 2	..	24'21	24'21	J
15 10	..	25'23	25'23	F	25 2	..	24'56	24'56	F
17 2	..	24'79	24'79	J	26	..	..	24'56	
20 12	..	25'02	25'02	J	27 2	..	24'46	24'46	J
21 9	..	24'99	24'99	F	28 2	..	24'36	24'36	F
24 10	..	25'23	25'23	F	31 10	..	22'94	22'94	F
Mar. 1 10	..	25'90	25'90	F	April 1 2	..	21'57	21'57	F
2 11	..	25'51	25'51	J	3 1	..	21'39	21'39	F
6 11	..	26'41	26'41	J	3 13	..	21'47	21'40	C
7 3	..	26'28	26'28	J	3 23	..	21'32		C
9 11	..	26'48	26'48	J	4 1	..	20'84	20'84	F
9 16	..	26'45	26'45	J	8 1	..	21'22	21'22	J
10 2	..	26'41	26'41	J	11 1	..	21'94	21'94	J
10 16	..	26'13	26'13	F	12 1	..	22'34	22'34	F
11 0	..	26'57	26'57	G	13 0	..	22'31	22'31	J
11 4	..	26'45	26'45	J	13 23	..	22'12	22'12	C
13 3	..	26'04	26'04	J	14 1	..	22'42	22'42	J

TABLE VI.—*Continued.**Nadir Points of the Transit-circle, 1871.*

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
April 14 12	Wire...	22'26	22'26	J	June 13 10	Wire...	8'26	8'26	F
18 12	..	22'02	22'02	J	15	..	..	7'71	
19 0	..	21'10	21'10	F	18 22	..	7'15	7'15	G
19 12	..	20'82	20'82	C	19 20	..	7'11	7'11	G
20 0	..	20'18	20'18	F	20 9	..	7'33	7'33	F
20 11	..	19'73	19'73	F	20 20	..	6'98	6'98	G
20 13	..	19'76	19'76	F	21 10	..	6'77	6'77	G
25 12	..	17'43	17'43	J	21 11	..	7'00	7'00	J
27 0	..	16'23	16'23	F	21 21	..	6'38	6'38	W
27 10	..	16'23	16'23	F	22 12	..	7'10	7'10	C
27 11	..	15'72	15'72	F	22 23	..	6'92	6'92	C
28 10	..	15'38	15'38	J	24	..	..
29 0	..	15'13	15'13	F	27 9	..	7'42	7'42	C
May 1 23	..	14'63	14'63	F	28 10	..	8'33	8'33	J
2 10	..	14'50	14'50	C	29	..	..	8'40	
2 23	..	14'57	14'57	F	29 8	..	8'64	8'64	F
3 10	..	14'61	14'61	F	29 19	..	8'71	8'71	F
3 11	..	14'56	14'56	F	30	..	..	8'71	
3 23	..	14'32	14'32	J	30 9	..	8'56	8'56	C
5 11	..	14'54	14'54	C	July 3 8	..	8'73	8'73	J
23 11	..	10'57	10'57	F	4 8	..	9'13	9'13	F
30 11	..	9'98	9'98	W	4 18	..	9'07	9'07	F
30 19	..	9'59	9'59	G	5 10	..	8'49	8'49	W
31 10	..	9'91	9'91	F	5 12	..	8'98	8'98	J
June 2 10	..	9'79	9'79	G	5 19	..	8'75	8'75	G
2 15	..	10'06	10'06	C	6 10	..	8'91	8'91	C
2 19	..	9'74	9'74	W	11 8	..	8'83	8'83	C
7 10	..	9'71	..	C	12 10	..	8'91	8'91	G
8 9	..	8'99	8'99	W	12 11	..	9'04	9'04	J
8 13	..	9'26	9'26	J	12 20	..	8'87	8'87	W
8 19	..	9'01	9'01	G	13 11	..	8'62	8'62	F
9 10	..	9'27	9'27	F	13 19	..	8'63		
10	9'27		17 7	..	8'97	8'97	C
12 9	..	8'59	8'59	C					

TABLE VI.—Continued.
Nadir Points of the Transit-circle, 1871.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
July 21 10	Wire...	9'19	9'19	F	Sept. 18 3	Wire...	5'95	5'95	C
24 9	..	9'29	9'29	W	18 14	..	5'59	5'59	G
24 12	..	9'91	9'91	J	Oct. 1 23	..	5'80	..	G
24 19	..	9'49	9'49	G	6 2	..	5'57	5'57	C
25 9	..	9'34	9'34	W	7 1	..	5'47	5'47	C
26 10	..	9'95	9'95	F	12 13	..	5'45	5'45	C
27 9	..	9'56	9'56	G	13 11	..	5'61	5'61	F
27 14	..	9'72	9'72	J	13 12	..	5'67	5'67	F
27 19	..	9'35	9'35	W	14 2	..	5'53	5'53	C
31 10	..	9'65	9'65	C	16 1	..	5'53	5'53	F
Aug. 1 17	..	9'80	9'80	F	16 11	..	5'58	5'58	G
3 9	..	9'58	9'58	W	17 1	..	5'68	5'68	C
3 11	..	9'90	9'90	J	17 11	..	5'58	5'58	F
3 19	..	9'86	9'86	G	19 10	..	5'49	5'49	G
4 10	..	9'80	9'80	F	23 1	..	5'81	5'81	C
4 17	..	9'90	9'90	F	24 1	..	5'55	5'55	C
10 8	..	9'14	9'14	G	25 1	..	5'78	5'78	C
10 11	..	9'35	9'35	J	25 11	..	5'58	5'58	F
10 19	..	9'36	9'36	W	27 11	..	5'50	5'50	F
11 16	..	8'97	8'97	F	28 0	..	5'95	5'95	C
14 10	..	8'84	8'84	F	30 11	..	6'08	6'08	G
16	8'65		31 11	..	6'29	6'29	C
21 22	..	8 18	8'18	G	Nov. 10 11	..	6'99	6'99	F
22 22	..	7'88	7'88	G	16 22	..	7'58	7'58	C
Sept. 5 8	..	7'40	7'40	C	17 23	..	7'79	7'79	C
5 15	..	7'21	7'21	G	19 23	..	8'15	8'15	C
6	7'21		22 10	..	8 45	..	C
8 3	..	6'44	6'44	W	Dec. 6 0	..	11'30	11'30	C
11 1	..	6'76	6'76	C	7 9	..	11'16	11'16	G
12	6'53		9 0	..	11'40	..	C
13 0	..	6'29	..	C	15 11	..	12'62	12'62	F
14 2	..	7'05	..	C	16 1	..	13'07	13'07	C
15 2	..	6'21	6'21	C	18 0	..	13'68	13'68	C

TABLE VI.—*Concluded.*

Nadir Points of the Transit-circle, 1871.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Dec. 20 1	Wire...	13'10	13'10	F	Dec. 23 0	Wire...	13'05	13'05	F
21 1	..	13'34	13'34	C	27 1	..	14'47	14'47	C
22 1	..	12'98	12'98	F	28 1	..	14'15	14'15	F
22 10	..	13'08	13'08	F	28 11	..	14'32	14'32	F

TABLE VII.

Separate Results of Direct and Reflexion Observations of Stars, 1871.

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
			° ' "	° ' "
March	6	β Centauri.....	25 53 40.14	154 17 9.34
	6	α^2 Centauri.....	26 26 51.82	153 43 58.81
	7	α Eridani.....	24 2 47.97	156 8 3.30
	9	β Centauri.....	25 53 41.08	154 17 9.52
	9	α^2 Centauri.....	26 26 51.67	153 43 57.49
	9	α^1 Centauri.....	26 26 42.33	153 44 7.68
	10	α Eridani.....	24 2 46.85	156 8 4.06
	10	β Centauri.....	25 53 40.90	154 17 7.64
	11	α Eridani.....	24 2 46.98	156 8 3.61
	14	α Eridani.....	24 2 45.06	156 8 4.19
	15	α Eridani.....	24 2 45.15	156 8 3.76
	16	α Eridani.....	24 2 44.88	156 8 3.87
	16	β Centauri.....	25 53 40.57	154 17 7.48
	16	α^2 Centauri.....	26 26 52.36	153 43 56.17
	20	α Eridani.....	24 2 41.85	156 8 3.45
	21	α Eridani.....	24 2 42.31	156 8 4.67
	21	β Centauri.....	25 53 41.74	154 17 5.13
	21	α^2 Centauri.....	26 26 53.24	153 43 53.86
	21	α^1 Centauri.....	26 26 41.60	153 44 3.62
	22	α Eridani.....	24 2 40.98	156 8 4.43
	23	α Eridani.....	24 2 39.65	156 8 4.85
	23	β Centauri.....	25 53 42.81	154 17 4.16
	23	α^2 Centauri.....	26 26 51.69	153 43 52.12
	23	α^1 Centauri.....	26 26 42.33	153 44 2.94
	24	α Eridani.....	24 2 40.72	156 8 6.16
	25	α Eridani.....	24 2 40.50	156 8 6.37
	27	α Eridani.....	24 2 40.13	156 8 5.04
	28	α Eridani.....	24 2 39.83	156 8 7.42
April	1	α Eridani.....	24 2 35.75	156 8 6.18
	3	α Eridani.....	24 2 35.11	156 8 5.48
	4	α Eridani.....	24 2 33.35	156 8 5.10
	8	α Eridani.....	24 2 32.30	156 8 5.45
	11	α Eridani.....	24 2 32.03	156 8 9.62
	12	α Eridani.....	24 2 32.47	156 8 10.55

TABLE VII.—*Continued.**Separate Results of Direct and Reflexion Observations of Stars, 1871.*

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
			° ' "	° ' "
April	13	α Eridani.....	24 2 31.84	156 8 10.39
	14	α Eridani.....	24 2 31.18	156 8 11.24
	14	β Centauri.....	25 53 47.29	154 16 51.82
	18	β Centauri.....	25 53 48.51	154 16 53.42
	18	α^1 Centauri.....	26 26 48.10	153 43 52.44
	18	α^2 Centauri.....	26 26 58.38	153 43 44.10
	18	α Eridani.....	24 2 28.49	156 8 11.41
	19	α Eridani.....	24 2 27.89	156 8 11.13
	20	β Centauri.....	25 53 45.45	154 16 50.22
	25	β Centauri.....	25 53 43.41	154 16 45.84
	25	α^2 Centauri.....	26 26 55.58	153 43 34.88
	25	α^1 Centauri.....	26 26 43.56	153 43 47.36
	26	α Eridani.....	24 2 19.51	156 8 9.54
	27	β Centauri.....	25 53 46.10	154 16 46.92
	28	α Eridani.....	24 2 18.69	156 8 10.30
May	1	α Eridani.....	24 2 18.31	156 8 9.32
	2	α Eridani.....	24 2 16.52	156 8 10.12
	3	β Centauri.....	25 53 46.05	154 16 40.45
	3	α^2 Centauri.....	26 26 55.42	153 43 30.95
	3	α^1 Centauri.....	26 26 45.55	153 43 40.43
	3	α Eridani.....	24 2 15.42	156 8 9.88
	23	β Centauri.....	25 53 45.85	154 16 32.10
	31	β Centauri.....	25 53 48.04	154 16 29.76
June	9	β Centauri.....	25 53 48.79	154 16 26.74
	12	β Centauri.....	25 53 48.31	154 16 26.35
	13	β Centauri.....	25 53 48.30	154 16 26.40
	13	α^2 Centauri.....	26 26 58.43	153 43 16.01
	13	α^1 Centauri.....	26 26 48.41	153 43 25.00
	19	α Eridani.....	24 1 54.23	156 8 19.73
	20	β Centauri.....	25 53 48.22	154 16 25.07
	20	α^1 Centauri.....	26 26 46.66	153 43 20.70
	20	α^2 Centauri.....	26 26 58.11	153 43 14.02
	20	α Eridani.....	24 1 52.80	156 8 19.75

TABLE VII.—Continued.

Separate Results of Direct and Reflexion Observations of Stars, 1871.

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
			° ' "	° ' "
June	27	β Centauri.....	25 53 48.18	154 16 23.90
	27	α^2 Centauri.....	26 26 59.30	153 43 14.15
	27	α^1 Centauri.....	26 26 49.91	153 43 22.97
	28	β Centauri.....	25 53 49.35	154 16 23.57
	29	β Centauri.....	25 53 50.46	154 16 24.36
	29	α^2 Centauri.....	26 27 1.23	153 43 13.78
	29	α^1 Centauri.....	26 26 51.78	153 43 22.97
	29	α Eridani.....	24 1 53.22	156 8 22.74
	30	α^2 Centauri.....	26 27 0.64	153 43 14.17
	30	α^1 Centauri.....	26 26 51.22	153 43 24.87
July	3	β Centauri.....	25 53 51.36	154 16 25.30
	3	α^2 Centauri.....	26 27 2.87	153 43 14.07
	3	α^1 Centauri.....	26 26 51.53	153 43 23.81
	4	β Centauri.....	25 53 52.51	154 16 24.48
	4	α Eridani.....	24 1 52.76	156 8 23.01
	6	α^2 Centauri.....	26 27 1.80	153 43 13.52
	6	α^1 Centauri.....	26 26 52.32	153 43 22.03
	11	β Centauri.....	25 53 51.29	154 16 24.16
	11	α^2 Centauri.....	26 27 1.75	153 43 14.51
	11	α^1 Centauri.....	26 26 52.36	153 43 23.79
	17	β Centauri.....	25 53 51.31	154 16 23.47
	17	α^2 Centauri.....	26 27 2.31	153 43 12.62
	17	α^1 Centauri.....	26 26 53.37	153 43 20.70
August	4	α Eridani.....	24 1 49.75	156 8 27.48
	11	α Eridani.....	24 1 48.52	156 8 24.23
September	5	α Eridani.....	24 1 49.40	156 8 22.02
	11	β Centauri.....	25 53 45.30	154 16 26.58
	11	α^2 Centauri.....	26 26 56.99	153 43 12.93
	11	α^1 Centauri.....	26 26 48.85	153 43 21.89
	12	β Centauri.....	25 53 43.70	154 16 27.57
	12	α^2 Centauri.....	26 26 56.90	153 43 13.76
	12	α^1 Centauri.....	26 26 47.99	153 43 23.24

TABLE VII.—*Continued.**Separate Results of Direct and Reflexion Observations of Stars, 1871.*

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
September	15	β Centauri.....	25 53 45.76	154 16 26.91
	15	α^2 Centauri.....	26 26 56.63	153 43 14.31
	15	α^1 Centauri.....	26 26 47.93	153 43 23.93
	18	α^2 Centauri.....	26 26 55.56	153 43 13.48
	18	α^1 Centauri.....	26 26 45.91	153 43 23.01
	18	α Eridani.....	24 1 51.53	156 8 18.12
October	6	β Centauri.....	25 53 38.12	154 16 31.70
	6	α^2 Centauri.....	26 26 51.16	153 43 18.16
	6	α^1 Centauri.....	26 26 41.34	153 43 27.21
	7	β Centauri.....	25 53 37.13	154 16 31.59
	7	α^2 Centauri.....	26 26 50.75	153 43 18.21
	7	α^1 Centauri.....	26 26 40.47	153 43 27.40
	12	α Eridani.....	24 1 55.54	156 8 12.71
	13	α Eridani.....	24 1 56.70	156 8 11.76
	14	β Centauri.....	25 53 36.36	154 16 33.42
	14	α^2 Centauri.....	26 26 50.32	153 43 20.06
	14	α^1 Centauri.....	26 26 40.41	153 43 29.03
	16	β Centauri.....	25 53 34.53	154 16 32.92
	17	α^2 Centauri.....	26 26 48.83	153 43 19.77
	17	α^1 Centauri.....	26 26 40.23	153 43 29.76
	22	β Centauri.....	25 53 33.02	154 16 35.87
	23	α^2 Centauri.....	26 26 47.36	153 43 22.45
	23	α^1 Centauri.....	26 26 38.11	153 43 30.25
	24	α^2 Centauri.....	26 26 47.56	153 43 21.31
	24	α^1 Centauri.....	26 26 37.65	153 43 31.65
	25	α^2 Centauri.....	26 26 48.31	153 43 21.81
	25	α^1 Centauri.....	26 26 36.92	153 43 30.03
	25	α Eridani.....	24 2 1.86	156 8 8.98
	27	α Eridani.....	24 2 1.16	156 8 5.90
	27	β Centauri.....	25 53 33.43	154 16 37.02
	28	α^2 Centauri.....	26 26 46.04	153 43 24.11
	28	α^1 Centauri.....	26 26 36.56	153 43 33.36
	31	α Eridani.....	24 2 3.88	156 8 7.75
November	10	α Eridani.....	24 2 5.88	156 8 4.46

TABLE VII.—*Concluded.*

Separate Results of Direct and Reflexion Observations of Stars, 1871.

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
			° ' "	° ' "
November	16	β Centauri.....	25 53 31.73	154 16 42.01
	16	α^3 Centauri..... ..	26 26 44.21	153 43 30.83
	17	β Centauri	25 53 31.39	154 16 43.04
	17	α^3 Centauri.....	26 26 44.85	153 43 30.52
	17	α^1 Centauri..... ..	26 26 34.85	153 43 40.25
	19	β Centauri... ..	25 53 30.64	154 16 41.95
	19	α^3 Centauri... ..	26 26 44.45	153 43 29.80
	19	α^1 Centauri..... ..	26 26 34.71	153 43 40.16
December	6	α Eridani.	24 2 18.44	156 8 3.05
	7	α Eridani.	24 2 17.58	156 8 1.65

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS

FOR

MEAN R.A. OF STARS,

OBSERVED IN THE YEAR

1871.

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 9745.			β Hydri (<i>continued.</i>)			Lacaille 242.		
June 8	W	S.P. o 1 54'06	May 2	F	o 18 55'87	June 21	G	S.P. o 38 50'79
21	G	S.P. 54'09	3	F	S.P. 55'83	21	W	50'58
21	W	54'98	3	J	56'12	Lacaille 248.		
July 5	G	53'81	4	C	56'13	July 12	W	o 39 55'13
12	W	54'84	5	C	S.P. 56'13	13	S	S.P. 53'05
24	G	53'92	31	F	S.P. 55'93	13	F	54'51
Lacaille 23.			June 9	F	S.P. 55'94	Aug. 3	G	52'30
June 21	G	S.P. o 8 23'20	Oct. 12	C	55'78	Lacaille 293.		
July 24	G	22'37	12	G	S.P. 55'93	June 21	G	S.P. o 46 8'26
ϵ Ceti.			13	F	55'74	July 5	W	S.P. 8'93
Oct. 25	F	o 12 51'23	15	G	S.P. 55'78	5	G	8'82
o Octantis.			16	G	55'87	24	G	9'22
July 24	G	o 13 1'37	17	F	55'70	27	W	9'15
Aug. 3	G	3'22	Nov. 3	G	S.P. 55'77	Aug. 3	G	9'06
10	J	11'45	4	G	55'77	ϵ Piscium.		
β Hydri.			4	G	S.P. 55'61	Aug. 3	G	o 56 14'88
Feb. 7	G	o 18 55'99	Dec. 5	G	S.P. 55'89	Dec. 7	G	15'02
7	G	S.P. 55'85	6	C	56'31	ζ^1 Piscium.		
8	G	56'24	6	G	S.P. 56'02	July 24	G	1 6 59'57
8	F	S.P. 56'02	7	G	55'72	Lacaille 361.		
23	J	56'14	7	G	S.P. 55'86	June 9	F	S.P. 1 12 35'09
23	J	S.P. 56'34	15	F	56'19	20	F	S.P. 35'56
24	F	56'01	15	F	S.P. 56'20	Dec. 6	C	35'08
24	F	S.P. 55'91	19	G	S.P. 55'37	7	G	34'85
Apr. 14	J	S.P. 55'92	20	G	56'12	15	F	35'06
14	J	56'23	21	G	S.P. 55'37	θ Ceti.		
18	J	S.P. 55'92	12 Ceti.			July 24	G	1 17 34'58
18	J	55'88	June 21	W	o 23 27'27	Dec. 15	F	34'50
25	J	S.P. 55'81	July 5	G	27'38	η Piscium.		
25	G	55'71	24	G	27'32	July 24	G	1 24 35'04
26	F	55'85	Lacaille 228.			Aug. 3	G	34'93
27	F	S.P. 55'73	June 8	W	S.P. o 36 25'24			
27	J	56'06	July 24	G	25'60			
28	J	S.P. 56'23	27	W	24'89			
28	G	56'14	Aug. 10	W	25'44			
May 1	G	55'91	β Ceti.					
2	C	S.P. 56'03	Oct. 17	F	o 37 6'78			
			Dec. 7	G	6'72			

o Octantis—Aug. 10.—Observed over 3 wires only.

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
ν Piscium.				Lacaille 764 (continued.)				Lacaille 1146 (continued.)			
July 24	G	1	34 43.10	July 24	W	S.P. 2	5 47.79	July 5	W	S.P. 2	51 59.00
Aug. 3	G		43.25	24	G		48.46	13	S	S.P.	59.08
				Aug 10	W		47.94	Aug. 10	W		58.82
Lacaille 634.				67 Ceti.				Lacaille 1884.			
June 21	G	S.P. 1	45 7.76	July 12	W	2	10 32.96	June 21	G	S.P. 2	53 33.07
July 5	W	S.P.	7.95	Aug. 3	G		32.99	July 12	G	S.P.	30.71
5	G		7.26	Dec. 15	F		32.62	24	W	S.P.	32.76
12	G	S.P.	7.18	83 Ceti.				25	W	S.P.	33.51
12	W		8.21	July 12	W	2	21 18.09	27	G	S.P.	31.02
13	S	S.P.	7.92	Lacaille 779.				27	W		31.22
13	F		8.50	Dec. 15	F	2	25 3.96	Aug. 3	W	S.P.	31.99
24	W	S.P.	7.86	22	F		4.12	3	G		32.39
24	G		7.33	ν Ceti.				α Ceti.			
27	G	S.P.	7.92	July 12	W	2	29 6.31	May 30	G	2	55 32.28
27	W		7.43	δ Ceti.				Dec. 15	F		32.23
Aug. 3	G		7.56	Dec. 15	F	2	32 52.24	Lacaille 1203.			
α Hydri.				Lacaille 1029.				June 2	G	S.P. 3	4 35.20
Dec. 15	F	1	54 42.39	May 30	W	S.P. 2	40 14.88	8	W	S.P.	35.75
20	C		42.24	June 2	G	S.P.	13.33	21	G	S.P.	35.32
α Arietis.				8	W	S.P.	14.09	July 5	W	S.P.	35.40
July 24	G	1	59 54.19	21	G	S.P.	16.03	12	G	S.P.	35.48
Dec. 7	G		54.33	July 5	W	S.P.	14.94	24	W	S.P.	35.63
Lacaille 760.				12	G	S.P.	14.19	27	G	S.P.	35.09
June 2	G	S.P. 2	3 45.67	24	W	S.P.	15.03	Aug. 3	W	S.P.	35.67
21	G	S.P.	46.55	24	G		15.13	3	G		34.49
July 27	G	S.P.	47.16	25	W	S.P.	14.85	10	G	S.P.	34.81
27	W		47.08	27	G	S.P.	13.90	10	W		35.19
Aug. 3	G		46.61	27	W		14.25	Lacaille 1848.			
Lacaille 764.				Aug. 3	W	S.P.	14.90	July 12	G	S.P. 3	22 31.38
June 8	W	S.P. 2	5 47.99	3	G		14.46	13	S	S.P.	30.62
July 5	W	S.P.	47.93	Lacaille 1146.				24	W	S.P.	33.24
12	W		48.60	June 2	G	S.P. 2	51 58.91	25	W	S.P.	32.08
				8	W	S.P.	59.00	27	G	S.P.	31.26
								Aug. 3	W	S.P.	33.07
								3	G		34.15
								10	G	S.P.	32.90
								10	W		30.45

4 *Separate Results for Mean R.A. of Stars observed*

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
Lacaille 1164.				γ^1 Eridani.				δ Orionis.			
Jan. 6	F	3	29 32'93	June 8	G	3	52 0'68	June 21	C	5	25 25'02
9	F		33'10	Dec. 15	F		0'71	July 11	G		24'91
12	F		33'16	Lacaille 1592.				12	G		24'95
June 13	F	S.P.	32'96	July 12	G	S.P. 4	6 46'04	ϵ Orionis.			
22	C	S.P.	32'89	13	S	S.P.	45'86	July 11	G	5	29 40'08
July 11	C	S.P.	32'97	24	W	S.P.	46'40	12	G		40'08
17	C	S.P.	33'12	25	W	S.P.	46'02	24	G		40'06
26	F	S.P.	33'57	Aug. 3	W	S.P.	46'32	α Columbæ.			
Dec. 15	F		32'88	10	G	S.P.	45'53	June 21	C	5	34 58'80
22	F		32'99	α Reticuli.				δ Doradus.			
Lacaille 1414.				Jan. 13	J	4	12 46'22	Feb. 8	F	5	44 32'66
June 8	J	S.P. 3	47 20'96	June 13	F	S.P.	46'00	July 26	F	S.P.	32'90
21	G	S.P.	20'61	22	C	S.P.	46'07	α Orionis.			
July 5	W	S.P.	20'73	July 17	C	S.P.	45'97	June 20	G	5	48 11'20
12	G	S.P.	19'79	26	F	S.P.	46'13	July 5	G		11'14
13	S	S.P.	20'50	31	C	S.P.	46'01	11	G		11'17
24	W	S.P.	20'34	Dec. 22	F		46'39	12	G		11'26
27	G	S.P.	19'29	α Tauri.				24	G		11'20
Aug. 3	W	S.P.	20'03	July 5	G	4	28 31'19	Lacaille 2296.			
10	G	S.P.	19'83	Lacaille 1839.				May 30	C	S.P. 5	55 13'82
γ Hydri.				May 30	C	S.P. 4	37 30'45	June 2	C	S.P.	13'23
Jan. 6	F	3	49 16'02	June 8	J	S.P.	30'36	8	J	S.P.	13'91
9	F		16'10	21	J	S.P.	31'49	21	J	S.P.	14'23
May 29	G		15'88	July 12	G	S.P.	30'64	July 5	J	S.P.	14'05
30	C	S.P.	16'17	24	W	S.P.	31'32	12	J	S.P.	13'99
30	G		15'72	27	G	S.P.	30'52	Lacaille 2203.			
31	G		15'64	Aug. 3	W	S.P.	31'16	Jan. 13	J	6	6 0'56
June 13	F	S.P.	15'97	β Orionis.				Lacaille 2191.			
13	F		15'98	July 5	G	5	8 20'18	Mar. 1	F	6	6 57'78
July 11	C	S.P.	16'13	11	G		20'26	Lacaille 2312.			
17	C	S.P.	16'12	12	G		20'32	July 25	W	S.P. 6	13 45'09
26	F	S.P.	16'28	Lacaille 1921.				Aug. 3	W	S.P.	45'57
Aug. 21	G	S.P.	15'84	Feb. 8	F	5	13 38'50				
21	G		15'98	July 31	C	S.P.	38'14				
22	G	S.P.	15'98	Aug. 4	F	S.P.	39'51				
22	G		16'14								
Dec. 15	F		15'98								
22	F		16'25								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
μ Geminorum.			δ Geminorum.			γ Argus.		
Mar. 1	F	6 15 9'37	Mar. 1	F	7 12 25'03	Mar. 1	F	8 2 2'95
10	F	9'46				9	J	2'97
Lacaille 2302.			δ Volantis.			Lacaille 3224.		
Mar. 1	F	6 23 40'94	Feb. 24	F	7 16 53'12	Mar. 9	J	8 6 43'41
Lacaille 2368.			Mar. 1	F	53'59	Brisbane 2007.		
Jan. 13	J	6 26 34'68	10	F	53'11	May 30	G	S.P. 8 45'80
Lacaille 2356.			Lacaille 2850.			July 5	J	S.P. 45'55
Feb. 8	F	6 28 8'45	Mar. 10	F	7 27 5'61	12	J	S.P. 44'96
γ Geminorum.			Lacaille 3274.			24	J	S.P. 45'87
Mar. 1	F	6 30 15'54	June 8	J	S.P. 7 31 24'48	A Octantis.		
Lacaille 2432.			21	J	S.P. 24'33	July 12	J	S.P. 8 13 12'48
Feb. 24	F	6 36 37'59	July 5	J	S.P. 25'97	24	J	S.P. 16'50
Mar. 1	F	37'70	12	J	S.P. 24'84	Aug. 3	J	S.P. 13'13
10	F	37'52	24	J	S.P. 24'79	10	J	S.P. 13'90
α Canis Majoris.			Aug. 3	J	S.P. 24'70	α Chamaleontis.		
Jan. 13	J	6 39 26'85	α Canis Minoris.			Mar. 9	J	8 21 48'96
Lacaille 2597.			Mar. 1	F	7 32 32'93	ϵ Hydræ.		
Feb. 24	F	6 52 55'33	2	J	32'83	Mar. 2	J	8 39 56'58
ϵ Canis Majoris.			10	F	32'84	9	J	56'55
Mar. 1	F	6 53 33'31	Aug. 3	G	32'89	10	F	56'18
10	F	33'28	ζ Volantis.			23	J	56'60
Aug. 3	G	33'36	Mar. 2	J	7 43 23'74	Lacaille 3759.		
δ Canis Majoris.			10	F	23'35	June 8	G	S.P. 8 45 19'43
Aug. 3	G	7 3 8'72	Lacaille 3083.			21	J	S.P. 19'83
9	G	8'78	Feb. 2	F	7 48 49'01	July 5	J	S.P. 19'33
Lacaille 2653.			Mar. 2	J	49'29	12	J	S.P. 19'15
Mar. 10	F	7 5 8'28	6 Cancri.			Brisbane 2379.		
			Mar. 2	J	7 55 35'58	Mar. 9	J	9 4 31'97
			9	J	35'50	23	J	32'10
			10	F	35'54			
			Lacaille 3141.					
			Mar. 10	F	8 0 5'02			

6 *Separate Results for Mean R.A. of Stars observed*

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
β Argūs.				ν Argūs (continued.)				γ ¹ Leonis.			
Mar. 9	J	9 11	46.47	May 5	C	9 43	52.66	Mar. 23	J	10 12	51.36
9	J	S.P.	46.43	Oct. 13	F	S.P.	52.60	May 5	C		51.42
10	F		46.04	16	G	S.P.	52.75	Lacaille 4296.			
23	J		46.62	17	F	S.P.	52.65	Mar. 23	J	10 19	8.82
Oct. 13	F	S.P.	46.33	19	G	S.P.	52.71	Apr. 27	F		8.94
16	G	S.P.	46.34	Lacaille 4169 (1st.)				May 2	C		8.71
16	G		46.19	June 8	G	S.P. 9 48	24.13	3	F		8.72
18	G		46.02	July 27	J	S.P.	26.43	5	C		8.69
19	G	S.P.	46.17	Aug. 3	J	S.P.	26.71	Oct. 16	G	S.P.	8.26
25	F	S.P.	46.29	Lacaille 4169 (2nd.)				17	F	S.P.	9.08
27	F	S.P.	46.05	June 8	G	S.P. 9 48	38.55	19	G	S.P.	8.56
27	F		46.10	July 5	J	S.P.	39.73	25	F	S.P.	9.05
83 Cancrī.				12	J	S.P.	39.52	μ Hydræ.			
Mar. 2	J	9 11	46.72	24	J	S.P.	40.32	May 30	W	10 19	51.11
May 2	C		46.81	27	J	S.P.	39.15	ρ Leonis.			
ζ Octantis.				Aug. 3	J	S.P.	39.84	Apr. 27	F	10 26	1.02
May 30	G	S.P. 9 14	55.55	10	J	S.P.	39.79	May 3	F		1.00
June 8	G	S.P.	56.43	π Leonis.				30	W		1.00
21	W	S.P.	55.59	Mar. 9	J	9 53	23.71	June 2	G		1.05
July 12	J	S.P.	56.22	23	J		23.68	8	W		1.00
24	J	S.P.	55.69	Apr. 27	F		23.65	* 7 Mag. N.P.D. 175° 53'.			
ζ Antliæ.				May 2	C		23.63	May 30	W	10 31	9.95
May 2	C	9 25	14.60	α Leonis.				30	G	S.P.	9.30
5	C		14.77	Mar. 9	J	10 1	30.01	June 2	G		10.37
ε Leonis.				23	J		29.97	2	W	S.P.	10.49
Mar. 2	J	9 38	31.51	Apr. 27	F		30.04	Aug. 10	J	S.P.	10.59
9	J		31.50	May 2	C		29.95	* 7 Mag. N.P.D. 178° 52'.			
May 2	C		31.52	3	F		29.95	July 24	J	S.P. 10 31	10.98
3	F		31.56	5	C		29.99	27	J	S.P.	15.89
5	C		31.59	Lacaille 4342.				Aug. 3	J	S.P.	14.63
ν Argūs.				May 30	G	S.P. 10 11	53.79	Lacaille 4510.			
Mar. 9	J	9 43	52.57	June 2	G		53.15	May 30	W	10 38	19.33
23	J		52.43	21	W	S.P.	53.76	30	G	S.P.	19.06
Apr. 27	F		52.48	July 12	J	S.P.	52.92	June 2	G		19.70
May 2	C		52.57	24	J	S.P.	54.18				
3	F		52.58								

* 7 Mag. N.P.D. 178° 52'. July 24. Observed over 3 wires only.

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 4510 (continued.)			δ Leonis.			Brisbane 3618 (continued.)		
June 2	W	S.P. 10 38 19'55	Apr. 14	J	11 7 14'67	July 5	G	S.P. 11 23 27'81
8	W	19'59	18	J	14'64	12	W	S.P. 27'89
8	G	S.P. 19'25	May 2	C	14'68	24	G	S.P. 28'60
21	W	S.P. 19'88	5	C	14'61	* 7 Mag. N.P.D. 178° 32'		
July 5	G	S.P. 19'81	Lacaille 4708.			June 2	G	11 26 25'83
24	J	S.P. 19'16	July 5	G	S.P. 11 7 50'18	July 5	G	S.P. 24'11
ι Leonis.			12	W	S.P. 50'23	Aug. 3	J	S.P. 23'56
Apr. 27	F	10 42 28'41	24	J	S.P. 49'93	10	J	S.P. 21'94
May 3	F	28'51	Lacaille 4731.			ν Leonis.		
June 2	G	28'48	July 5	G	S.P. 11 10 49'43	Apr. 18	J	11 30 20'67
Lacaille 4578.			24	J	S.P. 48'65	May 3	F	20'59
May 30	W	10 47 35'67	27	J	S.P. 48'92	Lacaille 4865.		
30	G	S.P. 36'01	δ Hydræ et Crateris.			May 30	W	11 34 27'59
June 2	G	35'53	Apr. 14	J	11 12 53'56	June 2	G	27'90
2	W	S.P. 35'98	May 5	C	53'50	8	W	27'71
8	G	S.P. 34'20	Lacaille 4744.			8	G	S.P. 28'16
21	W	S.P. 35'42	Apr. 14	J	11 19 3'55	July 5	G	S.P. 28'28
July 5	G	S.P. 35'90	18	J	3'51	12	W	S.P. 27'43
12	W	S.P. 34'31	28	J	3'41	Aug. 10	J	S.P. 26'85
24	J	S.P. 35'43	May 3	F	3'58	β Leonis.		
Lacaille 4548.			Oct. 13	F	S.P. 3'22	Apr. 14	J	11 42 28'62
Apr. 14	J	10 52 47'81	16	G	S.P. 3'08	18	J	28'65
27	F	48'23	17	F	S.P. 3'56	25	J	28'65
28	J	48'16	Lacaille 4765.			May 3	F	28'66
May 5	C	47'83	Apr. 18	J	11 23 2'68	5	C	28'65
Oct. 19	G	S.P. 47'57	27	F	2'60	June 21	G	28'69
25	F	S.P. 48'36	28	J	2'66	Lacaille 4991.		
d Leonis.			May 5	C	2'49	June 2	G	11 55 57'76
June 2	G	10 53 53'85	Oct. 19	G	S.P. 2'25	8	W	57'98
8	W	53'88	Brisbane 3618.			8	G	S.P. 57'78
χ Leonis.			May 30	W	11 23 28'68	21	G	57'84
Apr. 14	J	10 58 21'65	June 2	G	27'71	21	W	S.P. 58'59
27	F	21'68	8	W	28'01	July 5	G	S.P. 57'89
May 2	C	21'61	8	G	S.P. 28'62	24	G	S.P. 56'69
3	F	21'68						
June 2	G	21'66						

8 *Separate Results for Mean R.A. of Stars observed*

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
θ¹ Crucis.				δ² Corvi (continued.)				ε Octantis.			
Apr. 18	J	11	56 28'32	June 13	F	12	23 11'44	May 30	W	12	41 42'00
25	J		28'48	21	G		11'60	June 2	G		42'00
28	J		28'28	July 5	W		11'47	July 24	G	S.P.	41'15
May 31	F		28'14	γ Muscæ.				Aug. 10	W	S.P.	41'54
Oct. 12	C	S.P.	28'21	Apr. 25	J	12	24 48'03	δ Virginis.			
13	C	S.P.	28'13	Oct. 17	F	S.P.	47'91	June 9	F	12	49 6'35
17	F	S.P.	28'34	Dec. 7	G	S.P.	47'29	13	F		6'38
25	F	S.P.	28'52	7	G		47'24	20	F		6'34
ε Corvi.				β Corvi.				July 12	G		6'34
Apr. 14	J	12	3 29'67	Apr. 14	J	12	27 36'83	α Canum Venaticorum.			
18	J		29'56	18	J		36'84	May 5	C	12	49 59'40
25	J		29'52	June 8	W		36'79	Lacaille 5325.			
June 9	F		29'41	9	F		36'81	May 30	W	12	53 9'90
Brisbane 3962.				13	F		36'63	June 2	G		10'32
June 2	G	12	7 27'92	21	G		37'04	8	W		10'23
July 5	C	S.P.	28'74	Oct. 15	G		36'88	21	G		9'70
Aug. 10	J	S.P.	25'38	Dec. 7	G		36'57	July 5	W		9'68
β Chamæleontis.				Brisbane 4091.				5	G	S.P.	10'44
Apr. 14	J	12	10 49'98	June 2	G	12	32 27'89	12	W	S.P.	8'83
18	J		50'23	July 5	W		23'72	24	G	S.P.	9'84
25	J		50'56	12	W	S.P.	22'75	Aug. 10	W	S.P.	8'40
May 2	C		49'91	24	G	S.P.	24'80	δ Muscæ.			
June 9	F		50'12	Aug. 3	G	S.P.	26'81	May 31	F	12	53 25'91
Oct. 12	C	S.P.	49'40	γ Virginis (Mean).				ε Virginis.			
17	F	S.P.	50'23	Apr. 25	J	12	35 7'33	June 9	F	12	55 45'33
Lacaille 5107.				May 5	C		7'45	July 12	G		45'34
June 2	G	12	15 33'13	β Crucis.				θ Muscæ.			
8	W		32'67	Apr. 14	J	12	40 12'10	Apr. 14	J	12	59 49'12
21	G		32'73	18	J		12'14	18	J		49'15
21	W	S.P.	32'97	25	J		12'19	25	J		49'17
July 5	W		32'50	June 9	F		12'20	June 9	F		49'11
5	G	S.P.	32'85	13	F		12'04	13	F		49'27
δ² Corvi.				Dec. 6	C	S.P.	12'13				
June 2	G	12	23 11'55	7	G		11'70				
8	W		11'41								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
θ Muscæ (continued.)			κ Octantis (continued.)			Brisbane 4614 (continued.)		
June 20	F	12 59 49.17	July 12	W	S.P. 13 20 32.36	July 12	W	S.P. 13 55 43.63
Dec. 6	C	S.P. 49.13	24	W	32.34	13	S	42.34
7	G	S.P. 48.75	24	G	S.P. 31.85	24	W	40.96
θ Virginis.			Aug. 10	W	S.P. 32.42	24	G	S.P. 43.67
Apr. 18	J	13 3 16.31	Lacaille 5566.			27	G	42.68
25	J	16.32	May 31	F	13 24 38.16	27	W	S.P. 43.46
June 8	W	16.32	June 9	F	38.15	Aug. 3	G	S.P. 46.63
21	G	16.24	13	F	38.20	α Boötis		
July 12	G	16.37	20	F	38.04	June 2	G	14 9 46.57
Lacaille 5452.			ζ Virginis.			13	F	46.69
May 30	W	13 15 39.36	July 5	W	13 28 7.33	21	G	46.61
June 2	G	40.56	\ast 7 Mag. N.P.D. 176° 58'.			July 12	G	46.77
July 5	W	40.30	July 5	G	S.P. 13 28 39.40	27	G	46.62
5	G	S.P. 39.76	12	G	39.26	Dec. 7	G	46.58
27	W	S.P. 40.27	12	W	S.P. 39.84	f Boötis.		
Aug. 10	W	S.P. 39.31	24	G	S.P. 39.36	May 30	W	14 20 27.37
Lacaille 5444.			27	W	S.P. 39.46	July 5	W	27.32
June 8	W	13 16 43.33	Aug. 3	G	S.P. 39.64	27	G	27.29
21	G	42.72	m Virginis.			Z Octantis.		
July 12	G	42.02	May 30	W	13 34 50.57	June 8	W	14 27 42.45
12	W	S.P. 42.49	June 2	G	50.67	21	G	43.40
13	S	41.99	9	F	50.60	July 5	W	42.41
13	F	S.P. 42.65	13	F	50.70	12	G	42.45
Aug. 3	G	S.P. 41.73	21	G	50.60	24	W	42.14
α Virginis.			July 5	W	50.58	24	G	S.P. 42.09
Apr. 25	J	13 18 23.96	24	W	50.58	25	W	42.63
June 9	F	24.02	β Centauri.			Aug. 3	W	43.26
13	F	23.95	Dec. 7	G	S.P. 13 54 44.14	3	G	S.P. 42.53
20	F	23.95	7	G	44.57	Lacaille 5882.		
κ Octantis.			Brisbane 4614.			May 30	W	14 29 24.26
May 30	W	13 20 33.09	June 2	G	13 55 46.98	June 2	G	24.87
June 2	G	32.67	21	G	45.67	July 13	S	23.52
July 5	W	33.34	July 5	W	43.85	27	G	24.12
5	G	S.P. 32.53	12	G	44.93	27	W	S.P. 23.95
12	G	31.93	α Circini.			Jan. 6	F	S.P. 14 32 6.70

10 *Separate Results for Mean R.A. of Stars observed*

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α² Libræ.			α Serpentis (continued.)			Brisbane 5607.		
Dec. 7	G	14 43 44.73	July 24	W	15 37 54.91	May 30	C	16 13 25.19
ε² Libræ.			27	G	54.96	June 8	J	24.30
May 30	W	14 49 46.27	Aug. 10	G	54.91	July 12	G	25.51
ψ Boötis.			β Trianguli Australis.			24	W	25.61
Aug. 10	G	14 58 55.00	Jan. 6	F	S.P. 15 43 48.12	Aug. 3	W	26.02
γ Trianguli Australis.			9	F	S.P. 47.82	21	G	25.38
Jan. 9	F	S.P. 15 6 54.20	12	F	S.P. 47.87	21	G	S.P. 26.77
June 13	F	54.36	June 13	F	47.97	22	G	26.40
22	C	54.52	20	F	47.89	22	G	S.P. 25.60
July 4	F	53.97	22	C	47.95	α Scorpii.		
17	C	54.32	July 4	F	47.70	July 27	G	16 21 29.92
26	F	54.17	11	C	47.81	λ Ophiuchi.		
Dec. 15	F	S.P. 54.41	17	C	48.03	May 30	C	16 24 24.50
β Libræ.			26	F	47.93	June 8	J	24.47
June 20	F	15 10 4.02	γ Serpentis.			β Apodis.		
July 24	W	4.04	July 27	G	15 50 29.78	Jan. 6	F	S.P. 16 24 43.61
27	G	4.03	β¹ Scorpii.			13	J	S.P. 42.98
ο² Libræ.			June 2	C	15 57 56.43	June 20	F	44.63
June 8	W	15 15 50.27	8	J	56.28	July 31	C	42.98
July 5	W	50.21	22	C	56.55	Aug. 4	F	43.23
ζ¹ Libræ.			July 12	G	56.33	11	F	43.27
June 2	G	15 20 59.08	24	W	56.29	ζ Ophiuchi.		
July 5	W	59.10	27	G	56.37	May 30	C	16 30 3.43
α Coronæ Borealis.			Aug. 10	G	56.31	June 8	J	3.47
July 12	G	15 29 13.57	δ Ophiuchi.			21	J	3.40
Aug. 10	G	13.57	May 30	C	16 7 35.20	22	C	3.36
α Serpentis.			June 2	C	35.11	July 24	W	3.34
June 20	F	15 37 54.79	13	F	35.22	Aug. 3	W	3.33
21	G	54.96	22	C	35.24	α Trianguli Australis.		
July 12	G	54.82	Lacaille 6441.			Jan. 6	F	S.P. 16 35 1.71
			June 8	J	16 8 54.64	8	J	1.75
			July 5	W	55.22	9	F	S.P. 1.64
			25	W	55.86	9	J	2.09
			27	G	55.10	12	F	S.P. 1.83
						12	J	1.84

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Trianguli Australis (<i>cont.</i>)			η Ophiuchi.			Brisbane 6058 (<i>continued</i>).		
Jan. 13	J	S.P. 16 35 1'50	May 30	C	17 2 58'91	June 8	J	17 38 51'27
Feb. 2	G	1'41	June 2	C	58'90	21	J	53'58
3	J	S.P. 1'86	22	C	58'85	July 5	J	51'81
8	F	S.P. 1'88	α^1 Herculis.			12	J	52'29
June 22	C	1'93	May 30	C	17 8 45'89	24	W	51'55
July 11	C	1'63	June 2	C	45'94	Aug. 3	W	51'39
17	C	1'79	θ Ophiuchi.			δ Herculis.		
26	F	1'75	June 8	J	17 14 5'27	June 21	J	17 50 13'00
31	C	1'67	σ Ophiuchi.			July 5	J	12'96
Lacaille 6998.			June 22	C	17 20 6'39	12	J	13'00
Jan. 9	F	S.P. 16 45 43'81	Lacaille 7078.			π Pavonis.		
12	F	S.P. 44'20	May 30	C	17 20 58'15	Jan. 13	J	S.P. 17 56 9'85
13	J	S.P. 44'26	June 2	C	58'14	Mar. 1	F	S.P. 10'02
Feb. 8	F	S.P. 44'34	8	J	58'29	July 26	F	9'51
July 26	F	44'02	21	J	58'97	Aug. 11	F	9'62
31	C	43'99	July 5	J	58'20	Brisbane 6229.		
Aug. 4	F	44'30	12	G	58'53	July 12	J	17 58 56'31
11	F	44'26	α Ophiuchi.			13	F	57'08
* 7 Mag. N.P.D. 177° 8'.			June 21	J	17 28 56'76	24	W	56'15
July 13	S	16 51 25'01	22	C	56'84	25	W	56'35
24	W	26'71	July 5	J	56'85	27	G	56'11
27	G	26'52	η Pavonis.			μ Sagittarii.		
Aug. 10	G	27'80	July 31	C	17 33 4'52	Aug. 11	F	18 6 2'79
* 7 Mag. N.P.D. 177° 15'.			Lacaille 7366.			σ Octantis.		
July 12	G	16 51 28'99	Jan. 13	J	S.P. 17 33 16'88	June 2	C	18 8 8'89
25	W	29'96	July 26	F	16'33	8	J	10'92
Aug. 3	W	29'11	Aug. 4	F	16'19	21	J	15'52
κ Ophiuchi.			11	F	16'30	July 5	J	13'36
May 30	C	16 51 33'64	Brisbane 6058.			12	J	14'14
June 8	J	33'72	May 30	C	17 38 49'22	24	W	8'37
21	J	33'74	June 2	C	50'77	Aug. 10	G	12'28
July 5	W	33'73	Lacaille 7442.			ϵ Herculis.		
Aug. 11	F	33'84	July 25	W	18 13 59'96	June 2	C	16 55 21'24
ϵ Herculis.			27	G	58'51	22	C	21'34

12 *Separate Results for Mean R.A. of Stars observed*

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
* 8 Mag. N.P.D. 175° 40'.			ω Aquilæ.			ε Delphini.		
July 27	G	18 14 33.54	May 30	C	19 11 45.60	May 30	G	20 27 2.89
λ Sagittarii.			July 5	J	45.58	June 2	W	2.99
			12	J	45.58	8	G	2.98
June 8	J	18 20 0.55	Aug. 11	F	45.57	July 12	J	2.89
ζ Pavonis.			δ Aquilæ.			β Pavonis.		
Mar. 10	F	S.P. 18 27 57.31	June 2	C	19 18 59.58	Mar. 1	J	20 33 17.86
α Lyræ.			Aug. 11	F	59.64	2	J	S.P. 18.04
May 30	C	18 32 34.25	Lacaille 8119.			2	J	18.34
β ¹ Lyræ.			Mar. 2	J	S.P. 19 25 55.44	9	J	S.P. 18.33
May 30	C	18 45 19.06	α Aquilæ.			10	F	S.P. 18.30
June 8	J	19.01	May 30	G	19 44 29.35	23	J	17.92
July 24	J	19.07	β Aquilæ.			α Delphini.		
Lacaille 7751.			May 30	G	19 48 58.60	June 8	G	20 33 38.74
May 30	C	18 51 54.67	June 21	J	58.50	* 7 Mag. N.P.D. 175° 43'		
June 2	C	54.98	γ Sagittarii.			July 12	J	20 45 56.17
8	J	55.57	Brisbane 6809			24	J	55.82
21	J	56.05	June 8	G	19 54 43.28	27	J	53.97
July 5	J	54.81	Mar. 2 J S.P. 20 2 56.60			Aug. 3	J	55.94
12	J	55.35	α ² Capricorni.			* 6 Mag. N.P.D. 176° 10'.		
24	J	55.67	June 2	W	20 10 53.72	May 30	G	20 48 54.31
27	J	55.15	Lacaille 8257.			June 2	W	54.86
ζ Aquilæ.			June 8	G	20 11 24.08	Aug. 10	J	55.16
June 21	J	18 59 28.92	Aug. 3	J	24.17	α Octantis.		
July 5	J	28.87	ρ Capricorni.			Mar. 2	J	S.P. 20 48 59.23
12	J	28.89	May 30	G	20 21 30.03	9	J	S.P. 59.82
τ Pavonis.			June 2	W	30.03	Oct. 13	F	59.63
Aug. 11	F	19 2 36.61	8	G	30.03	Lacaille 8474.		
ψ Sagittarii.			July 12	G	29.97	June 8	G	20 49 51.21
May 30	C	19 7 37.61				July 24	J	50.24
June 2	C	37.71				Aug. 3	J	50.83
21	J	37.71						
July 5	J	37.70						
12	J	37.74						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 8511.			Lacaille 8751.			C Octantis.		
June 21	J	20 54 2'72	May 30	G	21 27 34'11	May 30	G	22 6 9'08
July 5	J	2'35	June 21	W	34'49	June 2	G S.P.	8'66
27	J	2'05	July 24	J	35'13	2	W	8'57
B Octantis.			Lacaille 8720.			July 5	J	8'22
May 30	G	20 57 21'14	June 2	W	21 27 45'98	12	J	8'82
June 8	G	13'95	8	G	45'72	24	J	8'73
July 12	J	21'68	July 5	J	46'54	Aug. 3	J	8'91
24	J	16'70	12	J	46'23	10	J	10'23
Aug. 3	J	20'50	27	J	47'73	α Tucanæ.		
10	J	20'22	Aug. 3	J	45'71	Mar. 22	J	22 9 38'52
θ Capricorni.			λ Octantis.			23	J	S.P. 38'54
Oct. 13	F	20 58 41'58	Oct. 16	G	21 30 48'11	23	J	38'55
Lacaille 8551.			ε Pegasi.			26	J	38'38
June 2	W	21 3 40'46	June 2	W	21 37 51'01	27	J	S.P. 38'46
21	W	41'15	July 5	J	50'97	Oct. 16	G	38'38
July 5	J	40'82	δ Capricorni.			17	F	38'50
27	J	40'32	Oct. 25	F	21 39 55'04	19	G	38'60
ι Capricorni.			Lacaille 8738.			25	F	38'41
July 5	J	21 15 3'66	May 30	G	21 40 15'93	γ Aquarii.		
γ Pavonis.			June 8	G	15'76	Oct. 17	F	22 14 59'45
Mar. 2	J	S.P. 21 15 44'61	July 5	J	16'22	σ Aquarii.		
Oct. 17	F	44'66	12	J	16'77	June 2	W	22 23 49'04
Lacaille 8626.			24	J	16'95	21	W	49'13
June 8	G	21 20 42'05	α Aquarii.			July 5	G	49'14
July 5	J	43'28	May 30	G	21 59 9'39	12	W	49'11
12	J	42'72	June 2	W	9'52	η Aquarii.		
24	J	42'91	8	G	9'44	June 21	W	22 28 43'54
β Aquarii.			July 5	J	9'32	Oct. 17	F	43'56
Oct. 17	F	21 24 45'94	12	J	9'41	25	G	43'54
			ι Pegasi.			Lacaille 9123.		
			July 12	J	22 1 0'29	June 8	W	S.P. 22 29 13'92
						8	G	14'45
						July 5	G	13'58
						12	W	13'93

14 *Separate Results for Mean R.A. of Stars observed, &c.*

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
β Octantis.			τ Octantis.			Lacaille 9537.		
Apr. 27	F	S.P. 22 32 42.43	May 30	W	S.P. 23 7 26.72	Apr. 14	J	S.P. 23 31 57.25
May 3	F	S.P. 42.95	30	G	27.07	25	J	S.P. 56.77
Oct. 16	G	42.27	June 2	G	S.P. 25.55	Oct. 12	C	57.10
μ Pegasi.			2	W	27.26	13	F	57.38
June 8	G	22 43 46.66	8	W	S.P. 26.52	16	G	57.12
λ Aquarii.			8	G	26.44	17	F	57.25
Oct. 25	F	22 45 52.97	21	W	26.71	19	G	57.30
α Piscis Australis.			Aug. 3	J	27.60	Lacaille 9563.		
Mar. 9	J	22 50 31.17	10	J	28.53	June 8	G	23 38 55.86
July 5	G	31.08	γ Piscium.			21	G	S.P. 54.67
α Pegasi.			Oct. 25	F	23 10 28.64	21	W	55.21
Mar. 9	J	22 58 20.33	Lacaille 9401.			July 5	G	55.35
June 2	W	20.15	May 30	W	S.P. 23 15 52.36	24	G	55.17
8	G	20.09	30	G	51.50	δ Sculptoris.		
21	W	20.08	June 2	G	S.P. 51.99	Oct. 17	F	23 42 12.07
July 5	G	20.15	2	W	51.59	Lacaille 9596.		
12	W	20.15	8	W	S.P. 51.36	May 30	W	S.P. 23 43 59.95
Lacaille 9375.			8	G	51.20	June 2	G	S.P. 59.45
Apr. 18	J	S.P. 23 1 55.09	July 5	G	52.02	8	W	S.P. 58.96
25	J	S.P. 54.90	12	W	52.52	8	G	58.53
28	J	S.P. 54.81	κ Piscium.			July 5	G	57.89
May 3	F	S.P. 55.32	June 21	W	23 20 19.16	12	W	59.98
Oct. 12	C	55.10	Lacaille 9464.			24	G	59.26
13	F	55.17	June 21	G	S.P. 23 26 32.64	ω Piscium.		
16	G	54.78	21	W	32.26	July 5	G	23 52 41.23
19	G	55.20	July 12	W	32.54	24	G	41.22
25	F	55.05	24	G	32.01			

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS

FOR

MEAN N.P.D. OF STARS,

OBSERVED IN THE YEAR

1871.

16 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 9745.			β Hydri S.P. (continued).			Lacaille 293 S.P.		
June 21	W	176 45 23'96	Feb. 24	F	167 58 53'08	June 21	G	176 35 48'46
July 5	G	25'93	Apr. 14	J	55'67	July 5	W	46'82
12	W	25'22	18	J	54'99	Lacaille 361.		
24	G	27'09	25	J	54'07			
Lacaille 9745 S.P.			27	F	54'22	Dec. 6	G	157 4 42'56
June 8	W	176 45 27'27	May 5	C	51'76	7	G	41'67
21	G	29'96	31	F	53'20	15	F	42'28
Lacaille 23.			June 9	F	51'11	Lacaille 361 S.P.		
			Lacaille 228.					
July 24	G	175 42 45'42	July 24	G	175 57 37'35	May 31	F	157 4 43'76
Lacaille 23 S.P.			27	W	37'83	June 9	F	45'42
June 21	G	175 42 46'61	Aug. 10	W	36'13	12	C	45'88
α Octantis.			Lacaille 228 S.P.			20	F	49'57
July 24	G	179 4 49'58	June 8	W	175 57 37'34	α Eridani.		
Aug. 3	G	48'31	Lacaille 242.			Mar. 7	J	147 53 32'96
10	J	47'29	June 21	W	176 7 9'28	10	F	33'36
β Hydri.			Lacaille 242 S.P.			11	J	33'19
Feb. 24	F	167 58 49'77	June 21	G	176 7 14'16	13	J	33'84
Apr. 25	G	49'89	Lacaille 248.			14	F	33'56
May 3	J	50'34	July 12	W	176 24 27'27	15	J	34'02
4	C	49'41	13	F	30'82	16	J	33'99
Oct. 12	C	50'42	Aug. 3	G	29'33	20	J	33'87
13	F	49'98	Lacaille 248 S.P.			21	F	34'94
16	G	50'81	June 21	G	176 7 14'16	22	F	33'77
17	F	50'84	Lacaille 293.			23	J	33'40
19	G	49'30	July 5	G	176 35 44'52	24	J	33'21
25	F	49'69	24	G	45'54	25	F	33'43
30	G	50'65	27	W	45'35	27	J	34'12
31	C	50'29	Aug. 3	G	44'23	28	F	33'75
Dec. 6	C	50'92				Apr. 1	F	33'81
7	G	50'69				3	F	33'89
β Hydri S.P.						4	F	33'89
Feb. 8	F	167 58 52'50				8	J	34'32
15	F	55'12				11	J	33'21
						12	F	33'46
						13	J	33'85
						14	J	33'69
						18	F	34'16
						19	F	33'97
						26	F	33'80

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
<i>α Eridani (continued.)</i>			Lacaille 760.			Lacaille 1029 S.P. (cont.)		
Apr. 28	F	147 53 33'52	July 27	W	175 39 37'24	July 25	W	176 17 10'17
May 1	F	34'28	Aug. 3	G	37'00	27	G	10'83
2	F	33'93	Lacaille 760 S.P.			Aug. 3	W	10'75
3	J	33'92	Lacaille 1146.					
June 19	G	34'54	June 2	G	175 39 39'11			
20	G	33'76	21	G	38'84	Aug. 10	W	175 33 33'92
29	F	34'22	July 27	G	38'62	Lacaille 1146 S.P.		
July 4	F	34'91	Lacaille 764.			June 2	G	175 33 36'95
Aug. 4	F	34'28	July 12	W	175 22 20'90	8	W	37'10
11	F	35'17	24	G	22'27	July 5	W	37'90
Sept. 5	G	34'61	Aug. 10	W	21'25	13	S	33'60
18	G	34'76	Lacaille 764 S.P.			Lacaille 1884.		
Oct. 12	C	33'86	June 8	W	175 22 21'72	July 27	W	178 57 3'06
13	F	34'28	July 5	W	22'81	Aug. 3	G	1'68
25	F	34'37	24	W	22'96	Lacaille 1884 S.P.		
27	F	35'68	Lacaille 779.			June 21	G	178 57 4'94
31	C	34'33	Dec. 15	F	154 52 34'00	July 12	G	4'21
Nov. 10	F	34'08	22	F	34'75	24	W	4'11
Dec. 6	C	34'21	28	F	34'29	25	W	4'31
7	G	34'67	Lacaille 779 S.P.			27	G	4'08
Lacaille 634.			June 28	J	154 52 33'49	Aug. 3	W	4'27
July 5	G	175 25 11'50	Lacaille 1029.			<i>α Persei.</i>		
12	W	11'58	July 24	G	176 17 12'01	Jan. 6	F	45 37 58'31
13	F	11'32	27	W	10'89	9	F	55'29
24	G	11'65	Aug. 3	G	10'91	12	F	59'47
27	W	11'83	Lacaille 1029 S.P.			Lacaille 1203.		
Aug. 3	G	10'99	May 30	W	176 17 11'11	Aug. 3	G	176 22 54'51
Lacaille 634 S.P.			June 2	G	10'61	10	W	53'58
June 21	G	175 25 13'68	8	W	10'23	Lacaille 1203 S.P.		
July 5	W	13'15	21	G	11'82	June 2	G	176 22 55'95
12	G	13'83	July 5	W	10'91	8	W	54'94
13	S	12'23	12	G	11'12	21	G	56'07
24	W	13'05	24	W	11'10	July 5	W	56'17
27	G	13'23	<i>α Hydri.</i>					
			Dec. 15	F	152 11 51'57			
			20	C	54'11			

18 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 1203 S.P. (cont.)			Lacaille 1414 S.P.			Lacaille 1592 S.P.		
July 12	G	176 22 55'30	June 8	J	175 8 15'36	July 12	G	175 38 15'25
24	W	55'61	21	G	15'00	13	S	16'63
27	G	54'70	July 5	W	15'03	24	W	14'23
Aug. 3	W	55'29	12	G	14'24	25	W	13'71
10	G	54'78	13	S	15'22	Aug. 3	W	14'36
α Persei.			24	W	14'44	10	G	14'76
Jan. 6	F	40 35 55'55	27	G	14'87	α Reticuli.		
9	F	61'39	Aug. 3	W	14'00	Jan. 13	J	152 47 47'53
12	F	60'63	10	G	13'40	17	J	48'68
Lacaille 1848.			γ Hydri.			18	F	48'69
Aug. 3	G	178 40 47'82	Jan. 6	F	164 37 62'61	30	F	48'45
Lacaille 1848 S.P.			9	F	61'36	Dec. 22	F	48'70
July 12	G	178 40 48'33	17	J	59'76	28	F	49'22
13	S	49'05	18	F	60'08	α Reticuli S.P.		
24	W	48'39	May 29	G	61'35	June 13	F	152 47 46'40
25	W	48'08	June 13	F	61'62	22	C	55'42
27	G	48'40	Aug. 16	G	61'50	28	J	44'86
Aug. 3	W	47'72	21	G	62'25	29	F	54'95
10	G	47'79	22	G	61'20	July 17	C	46'42
Lacaille 1164.			Dec. 15	F	59'91	26	F	53'75
Jan. 6	F	156 55 34'95	22	F	59'82	31	C	49'77
9	F	34'85	28	F	60'41	Lacaille 1839 S.P.		
12	F	34'22	γ Hydri S.P.			May 30	C	176 33 2'36
18	F	34'84	May 30	C	164 38 3'59	June 8	J	6'18
Dec. 15	F	35'04	June 13	F	4'54	21	J	3'51
22	F	34'64	29	F	5'93	July 12	G	1'65
28	F	34'84	30	C	4'60	24	W	1'47
Lacaille 1164 S.P.			July 3	J	3'20	27	G	1'56
June 13	F	156 55 38'81	11	C	3'69	Aug. 3	W	1'96
22	C	38'98	17	C	3'63	α Aurigæ.		
July 3	J	38'64	26	F	3'77	Jan. 6	F	44 8 5'83
11	C	35'52	μ Persei.			9	F	5'76
17	C	35'10	Jan. 12	F	41 55 18'76	12	F	10'69
26	F	40'10	13	J	18'43	13	J	16'24
			17	J	24'05	17	J	9'72
			18	F	11'36	18	F	7'06
						20	G	8'02

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
<i>α Aurigæ (continued.)</i>			Lacaille 2203.			Lacaille 2597.		
Jan. 26	J	44 8 10'70	Jan. 13	J	156 1 15'43	Jan. 26	J	160 48 5'99
30	F	8'33	17	J	16'72	31	J	5'95
Feb. 8	F	10'39	26	J	15'70	Feb. 13	J	5'44
Lacaille 1921.			Lacaille 2191.			16	J	6'25
Jan. 13	J	172 38 14'53	Mar. 1	F	135 15 16'44	24	F	6'34
17	J	15'32	Lacaille 2512 S.P.			<i>δ Volantis.</i>		
18	F	14'49	July 25	W	175 55 29'02	Jan. 31	J	157 43 14'62
26	J	14'55	Aug. 3	W	28'83	Feb. 13	J	14'00
30	F	15'77	Lacaille 2368.			15	F	12'00
Feb. 8	F	14'73	Jan. 13	J	159 36 56'30	16	J	13'24
Lacaille 1921 S.P.			17	J	56'88	20	J	14'23
June 22	C	172 38 17'38	Lacaille 2356.			24	F	13'28
29	F	17'58	Feb. 13	F	149 29 57'85	Mar. 1	F	13'14
July 31	C	15'69	Lacaille 2432.			10	F	14'32
Aug. 4	F	15'36	Jan. 31	J	151 25 9'35	Lacaille 2850.		
14	F	19'36	Feb. 13	J	8'81	Mar. 10	F	140 20 17'36
<i>δ Doradûs.</i>			15	F	9'37	Lacaille 3274 S.P.		
Feb. 8	F	155 47 0'67	16	J	10'39	June 8	J	176 48 39'36
15	F	0'85	21	F	8'25	21	J	38'71
21	F	1'17	24	F	9'33	July 5	J	38'81
<i>δ Doradûs S.P.</i>			Mar. 1	F	8'98	12	J	37'01
July 26	F	155 47 2'55	10	F	8'99	24	J	37'48
Sept. 5	C	4'42	<i>α Canis Majoris.</i>			Aug. 3	J	37'71
<i>β Aurigæ.</i>			Jan. 13	J	106 32 26'01	B.A.C. 2532.		
Jan. 30	F	45 4 4'12	17	J	29'05	Feb. 16	J	39 15 49'25
Feb. 15	F	8'49	26	J	28'94	Mar. 2	J	47'98
21	F	4'89	B.A.C. 2261.			<i>ζ Volantis.</i>		
Lacaille 2296 S.P.			Jan. 26	J	44 44 26'78	Jan. 31	J	162 17 43'35
May 30	C	174 50 28'83	Mar. 1	F	29'42	Feb. 13	J	43'33
June 2	C	28'51	10	F	26'93	16	J	42'70
8	J	29'97				20	J	42'67
21	J	28'23				Mar. 2	J	43'27
July 5	J	29'64				6	J	42'37
12	J	28'84				10	F	43'18

20 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 3083.			α Chamæleontis (<i>continued.</i>)			ζ Octantis S.P. (<i>cont.</i>)		
Jan. 31	J	155 51 57'09	Mar. 6	J	166 30 37'83	July 12	J	175 8 34'61
Feb. 13	J	57'34	9	J	38'80	24	J	35'27
16	J	56'79	16	J	38'33	γ Pavonis S.P.		
20	J	57'74	23	J	39'28	Mar. 16	J	155 56 53'10
Mar. 2	J	58'07	β Volantis.			23	J	51'80
6	J	58'31	Mar. 31	F	155 42 21'77	B.A.C. 3218.		
16	J	56'86	Lacaille 3759 S.P.			Mar. 2	J	43 49 61'17
31	F	57'38	June 21	J	176 7 7'94	9	J	62'22
6 Cancri.			July 5	J	8'48	14	F	65'71
Mar. 2	J	61 50 44'01	12	J	6'25	23	J	59'76
6	J	44'33	Brisbane 2379.			ζ^1 Antliæ, smaller star.		
16	J	46'91	Mar. 9	J	159 3 19'96	May 2	C	121 19 25'87
Lacaille 3222.			16	J	20'11	5	C	25'29
Mar. 31	F	150 54 39'55	21	J	20'18	ζ^1 Antliæ.		
Brisbane 2007 S.P.			23	J	21'05	Apr. 27	F	121 19 18'78
May 30	G	175 34 14'25	β Argûs.			May 2	C	18'07
July 5	J	15'92	Feb. 20	J	159 11 8'10	5	C	19'74
12	J	15'14	Mar. 6	J	8'57	Lacaille 3917.		
24	J	13'55	9	J	8'57	Mar. 14	F	138 25 57'99
A Octantis.			10	F	9'81	B.A.C. 3330.		
Feb. 13	J	178 29 25'07	16	J	8'42	Mar. 16	J	44 17 16'30
16	J	24'85	21	J	8'96	21	J	14'00
20	J	25'69	23	J	9'49	ϵ Leonis.		
Mar. 2	J	26'70	31	F	8'27	Mar. 9	J	65 37 58'21
9	J	26'55	Apr. 20	F	8'83	ν Argûs.		
16	J	24'59	β Argûs S.P.			Mar. 6	J	154 28 24'84
A Octantis S.P.			Mar. 9	J	159 11 11'99	9	J	24'57
July 12	J	178 29 28'43	Oct. 13	F	10'63	14	F	25'44
24	J	28'75	16	G	9'18	23	J	24'86
Aug. 3	J	27'98	19	G	9'45	31	F	24'65
10	J	27'99	ζ Octantis S.P.			Apr. 13	C	26'01
α Chamæleontis.			May 30	G	175 8 36'07			
Feb. 13	J	166 30 38'79	June 8	G	35'67			
16	J	36'91	21	W	35'44			

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
v Argus (continued).			Lacaille 4296.			δ ³ Chamæcontis.		
Apr. 27	F	154 28 24'28	Mar. 23	J	156 14 55'89	Apr. 3	C	169 51 33'83
May 2	C	24'90	Apr. 3	C	56'07	ω Ursæ Majoris.		
3	F	24'82	20	F	54'63	Apr. 28	J	46 7 26'55
5	C	24'48	27	F	55'71	May 3	F	24'60
v Argus S.P.			May 2	C	55'57	Lacaille 4578.		
Oct. 13	F	154 28 29'06	3	F	55'81	May 30	W	176 13 10'63
16	G	27'36	5	C	56'01	June 2	G	10'93
17	F	31'09	Lacaille 4296 S.P.			Lacaille 4578 S.P.		
19	G	27'23	Oct. 13	F	156 14 59'04	May 30	G	176 13 12'81
B.A.C. 3381.			16	G	57'35	June 2	W	11'96
Mar. 16	J	39 34 19'73	17	F	59'00	8	G	12'52
21	J	16'41	19	G	56'63	21	W	12'14
Lacaille 4169 (1st) S.P.			25	F	59'47	July 5	G	13'13
June 8	G	175 25 8'40	* 7 Mag. R.A. 10 ^h 31 ^m 10 ^s .			12	W	12'84
July 27	J	5'37	May 30	W	175 53 54'90	24	J	13'27
Aug. 3	J	7'47	June 2	G	55'26	Lacaille 4548.		
Lacaille 4169 (2nd) S.P.			* 7 Mag. S.P., R.A. 10 ^h 31 ^m 10 ^s .			Apr. 14	J	158 20 52'04
June 8	G	175 25 9'59	May 30	G	175 53 57'92	27	F	51'97
July 5	J	7'13	June 2	W	56'51	28	J	51'78
12	J	7'88	Aug. 10	J	59'27	May 5	C	52'43
24	J	6'94	* 7 Mag. S.P., R.A. 10 ^h 31 ^m 14 ^s .			Lacaille 4548 S.P.		
Aug. 3	J	6'91	July 24	J	178 51 33'80	Oct. 12	C	158 20 54'94
10	J	9'70	27	J	32'63	19	G	54'97
π Leonis.			Aug. 3	J	32'88	25	F	56'13
Mar. 9	J	81 20 16'32	Lacaille 4510.			30	G	54'62
Lacaille 4342.			May 30	W	175 25 16'52	δ Leonis.		
June 2	G	176 16 55'56	June 2	G	16'10	Apr. 14	J	68 46 11'74
Lacaille 4342 S.P.			8	W	16'29	18	J	10'42
May 30	G	176 16 57'52	Lacaille 4510 S.P.			Lacaille 4708 S.P.		
June 21	W	57'03	May 30	G	175 25 18'20	July 5	G	175 2 59'29
July 12	J	57'14	June 2	W	16'66	12	W	61'02
24	J	57'04	8	G	18'36	24	J	59'86
			21	W	17'61			
			July 5	G	17'97			
			24	J	17'17			

22 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	• • •	Day.	Observer.	• • •	Day.	Observer.	• • •
B.A.C. 3856.			Brisbane 3618 S.P.			Lacaille 4991 S.P.		
Apr. 18	J	51 6 24'97	June 8	G	174 14 43'49	June 8	G	174 54 49'99
27	F	28'06	July 12	W	44'35	21	W	50'30
28	J	25'79	24	G	43'25	July 5	G	48'83
May 2	C	23'85	* 7 Mag. R.A. 11 ^h 26 ^m 24 ^s .			24	G	48'62
Lacaille 4731 S.P.			June 2	G	178 32 0'90	θ ¹ Crucis.		
July 5	C	175 31 47'14	* 7 Mag. S.P., R.A. 11 ^h 26 ^m 24 ^s .			Apr. 18	J	152 35 39'16
24	J	48'20	July 5	G	178 32 2'15	25	J	39'48
27	J	47'10	Aug. 3	J	2'08	28	J	37'43
Lacaille 4744.			10	J	3'83	May 31	F	40'60
Apr. 14	J	161 32 50'95	Lacaille 4865.			θ ¹ Crucis S.P.		
18	J	51'46	May 30	W	174 46 21'05	Oct. 12	C	152 35 43'87
28	J	51'83	June 2	G	20'62	13	F	41'54
May 3	F	51'54	8	W	19'55	17	F	40'97
Lacaille 4744 S.P.			Lacaille 4865 S.P.			25	F	41'18
Oct. 12	C	161 32 55'61	June 8	G	174 46 21'09	31	C	37'14
13	F	54'22	July 5	G	21'58	Brisbane 3962.		
16	G	52'35	12	W	22'54	June 2	G	177 41 51'08
17	F	55'13	Aug. 10	J	21'63	Brisbane 3962 S.P.		
31	C	53'61	χ Ursæ Majoris.			July 5	G	177 41 53'23
Lacaille 4765.			Apr. 14	J	41 30 17'36	Aug. 10	J	54'46
Apr. 18	J	161 45 46'68	18	J	19'24	β Chamæleontis.		
27	F	47'76	25	J	17'34	Apr. 14	J	168 35 42'82
28	J	46'88	May 31	F	16'04	18	J	42'07
May 5	C	47'72	b Virginis.			25	J	42'61
Lacaille 4765 S.P.			Apr. 19	C	85 37 33'90	June 9	F	43'75
Oct. 19	G	161 45 48'76	Lacaille 4991.			β Chamæleontis S.P.		
30	G	48'10	June 2	G	174 54 47'39	Oct. 12	C	168 35 45'90
Brisbane 3618.			8	W	47'38	17	F	48'48
May 30	W	174 14 41'84	21	G	45'38	19	G	46'42
June 2	G	41'50				30	G	44'84
8	W	41'71				31	C	47'18

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 5107.			β Crucis S.P.			θ Muscæ (continued.)		
June 2	G	175 26 4'82	Dec. 6	C	148 58 50'13	June 9	F	154 36 54'51
8	W	4'07				13	F	53'60
21	G	3'07	ι Octantis.			20	F	53'87
July 5	W	5'19				θ Muscæ S.P.		
Lacaille 5107 S.P.			May 30	W	174 25 16'72	Oct. 31	C	154 36 56'68
June 21	W	175 26 7'40	June 2	G	16'68	Dec. 6	C	57'62
July 5	G	6'28	ι Octantis S.P.			7	G	55'76
γ Muscæ.			July 24	G	174 25 18'41	Lacaille 5452.		
Apr. 25	J	161 25 9'25	Aug. 10	W	18'93	May 30	W	175 9 16'61
γ Muscæ S.P.			α Canum Venaticorum.			June 2	G	17'01
Oct. 17	F	161 25 17'02	Apr. 14	J	50 59 5'41	July 5	W	13'79
30	G	11'61	18	J	3'02	Lacaille 5452 S.P.		
Dec. 7	G	11'58	19	C	2'48	July 5	G	175 9 18'29
γ Crucis.			25	J	3'66	27	W	18'30
Apr. 3	C	146 23 24'94	May 5	C	2'43	Aug. 10	W	19'10
β Corvi.			Lacaille 5325.			Lacaille 5444.		
Apr. 14	J	112 40 57'94	May 30	W	176 51 52'62	June 8	W	176 3 31'99
Brisbane 4091.			June 2	G	52'14	21	G	32'36
June 2	G	179 5 25'35	8	W	53'02	July 12	G	31'51
July 5	W	25'54	21	G	50'86	13	S	32'05
Brisbane 4091 S.P.			July 5	W	51'91	Lacaille 5444 S.P.		
July 12	W	179 5 28'87	Lacaille 5325 S.P.			July 12	W	176 3 33'76
24	G	25'93	July 5	G	176 51 53'47	13	F	35'29
Aug. 3	G	27'53	12	W	55'47	Aug. 3	G	33'20
β Crucis.			24	G	52'69	κ Octantis.		
Apr. 14	J	148 58 57'92	Aug. 10	W	54'22	May 30	W	175 7 19'72
18	J	56'03	δ Muscæ.			June 2	G	19'59
25	J	55'72	May 31	F	160 51 7'14	July 5	W	19'34
June 9	F	57'67	θ Muscæ.			12	G	19'35
13	F	56'78	Apr. 14	J	154 36 53'33	24	W	19'64
Dec. 7	G	57'90	18	J	53'94	κ Octantis S.P.		
			25	J	52'21	July 5	G	175 7 20'68
						12	W	19'83

24 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
* Octantis S.P. (cont.)			β Centauri (continued.)			Lacaille 5836.		
July 24	G	175 7 20.72	June 9	F	149 44 56.67	June 28	J	155 5 37.58
Aug. 10	W	21.01	12	C	56.17	Z Octantis.		
Lacaille 5566.			13	F	56.04	June 8	W	177 36 52.15
May 31	F	154 58 0.06	20	F	56.05	21	G	51.92
June 9	F	0.88	27	C	55.66	July 5	W	51.37
13	F	0.48	28	J	56.04	12	G	52.34
20	F	0.51	29	F	55.85	24	W	52.39
29	F	0.28	July 3	J	55.99	25	W	52.06
July 3	J	1.22	4	F	56.63	Aug. 3	W	52.52
* R.A. 13^h 28^m 39^s.			11	C	56.07	Z Octantis S.P.		
July 12	G	176 58 13.07	17	C	55.68	July 24	G	177 36 52.30
* R.A. 13^h 28^m 39^s S.P.			Sept. 11	C	55.73	Aug. 3	G	53.88
July 5	G	176 58 13.77	12	C	55.31	Lacaille 5882.		
12	W	15.51	15	C	56.86	May 30	W	175 56 6.25
24	G	15.15	Oct. 6	C	56.11	June 2	G	7.95
27	W	13.74	7	C	55.80	July 13	S	7.74
Aug. 3	G	14.26	14	C	56.02	27	G	7.86
B.A.C. 4556.			16	F	55.12	Lacaille 5882 S.P.		
June 28	J	38 37 51.30	22	C	54.82	July 27	W	175 56 8.31
β Centauri.			27	C	56.08	α Circini.		
Mar. 6	J	149 44 56.24	Nov. 16	C	56.55	June 28	J	154 24 37.33
9	J	55.73	17	C	55.87	α Circini S.P.		
10	F	56.30	19	C	55.68	Jan. 6	F	154 24 38.13
16	J	54.66	Dec. 7	G	54.03	α² Centauri.		
21	J	54.77	β Centauri S.P.			Mar. 6	J	150 18 9.87
23	J	55.59	Dec. 7	G	149 44 53.13	9	J	9.69
Apr. 14	J	57.41	Brisbane 4614.			16	J	9.19
18	J	55.87	June 2	G	178 46 55.52	21	J	9.20
20	F	55.16	21	G	54.61	23	J	9.17
25	J	55.65	July 5	W	53.95	Apr. 18	J	9.02
27	F	55.86	12	G	55.26	25	J	10.85
May 3	F	56.56	13	S	56.11			
23	F	55.62	24	W	56.04			
31	F	56.37	27	G	55.26			
			Brisbane 4614 S.P.					
			July 12	W	178 46 56.96			
			24	G	55.79			
			27	W	55.19			
			Aug. 3	G	55.58			

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
α^2 Centauri (continued.)			α^1 Centauri (continued.)			μ Boötis		
May 3	F	150 18 9'70	Sept. 11	C	150 17 59'84	June 13	F	52 10 7'32
June 13	F	9'31	12	C	59'48	20	F	7'27
20	F	9'27	15	C	59'09	July 3	J	9'78
27	C	8'76	18	C	58'99	4	F	7'90
29	F	9'18	Oct. 6	C	59'34	11	C	7'90
30	C	8'59	7	C	58'92	17	C	6'05
July 3	J	9'85	14	C	59'66	26	F	8'76
6	C	8'78	17	C	58'95	β Trianguli Aust.		
11	C	8'43	23	C	59'75	June 12	C	153 1 44'09
17	C	9'00	24	C	58'84	13	F	42'92
Sept. 11	C	8'39	25	C	58'87	20	F	42'79
12	C	8'67	28	C	58'90	22	C	43'21
15	C	8'25	Nov. 17	C	58'71	27	C	43'62
18	C	8'58	19	C	58'42	30	C	44'89
Oct. 6	C	8'77	δ Boötis.			July 3	J	43'10
7	C	8'65	June 22	C	43 20 38'23	4	F	44'23
14	C	9'10	30	C	37'68	11	C	43'83
17	C	8'24	July 3	J	40'85	17	C	43'19
23	C	8'28	γ Trianguli Aust.			21	F	43'44
24	C	8'97	June 13	F	158 11 58'05	26	F	43'53
25	C	8'67	22	C	58'29	Aug. 1	F	43'59
28	C	8'27	27	C	58'17	β Trianguli Aust. S.P.		
Nov. 16	C	8'10	29	F	58'02	Jan. 12	F	153 1 44'03
17	C	8'58	30	C	58'73	17	J	44'26
19	C	8'47	July 3	J	57'86	18	F	40'65
α^1 Centauri.			4	F	57'98	ν Herculis.		
Mar. 9	J	150 17 59'93	17	C	58'97	June 13	F	43 36 14'43
21	J	58'50	26	F	58'41	20	F	13'16
23	J	59'08	γ Trianguli Aust. S.P.			28	J	14'02
Apr. 18	J	59'71	Jan. 9	F	158 11 63'00	July 3	J	16'84
25	J	58'60	12	F	63'00	11	C	18'87
May 3	G	60'02	Dec. 15	F	61'71	26	F	11'95
June 13	F	59'81	ρ Octantis S.P.			31	C	14'72
20	F	60'20	Aug. 16	G	174 1 39'48	Lacaille 6441.		
27	C	59'65				June 8	J	177 19 11'08
29	F	59'86				July 5	W	12'78
30	C	58'53				25	W	13'28
July 3	J	59'31				27	G	13'91
6	C	59'79						
11	C	59'10						
17	C	60'49						

26 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Brisbane 5607.			α Trianguli Aust. S.P. (cont.)			η Pavonis.		
May 30	C	176 6 32'35	Jan. 12	F	158 47 11'99	July 31	C	154 39 36'12
June 8	J	32'78	13	J	11'65	Lacaille 7366.		
July 12	G	33'55	18	F	10'98	June 29	F	154 15 36'16
24	W	33'70	20	G	10'57	July 26	F	36'29
Aug. 3	W	34'11	30	F	11'49	Aug. 4	F	36'62
21	G	32'56	Feb. 8	F	11'74	11	F	37'74
22	G	32'78	Lacaille 6998.			Lacaille 7366 S.P.		
Brisbane 5607 S.P.			June 29	F	154 59 31'18	Jan. 13	J	154 15 41'91
Aug. 21	G	176 6 36'84	July 26	F	31'39	18	F	37'49
β Apodis.			31	C	31'19	20	G	41'41
June 20	F	167 14 26'84	Aug. 4	F	33'19	30	F	40'21
29	F	27'33	11	F	32'01	Feb. 15	F	40'50
July 31	C	27'68	Lacaille 6998 S.P.			Brisbane 6058.		
Aug. 4	F	28'24	Jan. 9	F	154 59 35'24	May 30	C	177 39 13'78
11	F	29'70	12	F	33'88	June 2	C	15'36
β Apodis S.P.			13	J	31'66	8	J	14'79
Jan. 6	F	167 14 28'61	18	F	31'17	21	J	14'24
17	J	30'58	20	G	34'03	July 5	J	13'38
18	F	28'88	26	J	36'43	12	J	14'40
20	G	29'66	Feb. 8	F	36'49	24	W	15'63
30	F	30'20	\ast 7 Mag. R.A. $16^h 51^m 27^s$.			Aug. 3	W	15'86
α Trianguli Aust.			July 13	S	177 7 30'83	π Pavonis.		
Feb. 1	G	158 47 10'20	24	W	31'56	July 26	F	153 40 8'24
2	G	9'72	27	G	31'98	Aug. 11	F	7'61
June 22	C	9'18	Aug. 10	G	32'13	14	F	7'29
27	C	9'35	\ast 7 Mag. R.A. $16^h 51^m 29^s$.			Sept. 5	C	6'80
29	F	8'82	July 12	G	177 15 11'62	π Pavonis S.P.		
July 3	J	8'08	25	W	12'04	Jan. 13	J	153 40 11'46
11	C	9'33	Aug. 3	W	11'58	17	J	14'44
17	C	8'91	Lacaille 7078.			26	J	9'65
26	F	9'19	May 30	C	175 9 0'60	30	F	6'96
31	C	9'35	June 2	C	1'97	Mar. 1	F	10'79
α Trianguli Aust. S.P.			8	J	1'13			
Jan. 6	F	158 47 12'18	21	J	3'72			
9	F	15'37	July 5	J	0'10			
			12	G	2'22			

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Brisbane 6229.			† Pavonis.			* 7 Mag. R.A. 20 ^h 45 ^m 55 ^s .		
July 12	J	176 16 5 ^h 68	Aug. 11	F	159 24 15 ^h 05	July 12	J	175 42 48 ^h 31
13	F	5 ^h 62	14	F	13 ^h 35	24	J	48 ^h 47
24	W	6 ^h 95	† Pavonis S.P.			27	J	44 ^h 30
25	W	5 ^h 94	Jan. 31	J	159 24 14 ^h 95	Aug. 3	J	48 ^h 00
27	G	5 ^h 86	Feb. 16	J	17 ^h 50	* 6 Mag. R.A. 20 ^h 48 ^m 55 ^s .		
σ Octantis.			20	J	14 ^h 31	May 30	G	176 9 37 ^h 57
June 2	C	179 16 41 ^h 83	Lacaille 8119 S.P.			June 2	W	39 ^h 29
8	J	40 ^h 87	Jan. 31	J	156 11 48 ^h 39	Aug. 10	J	35 ^h 80
21	J	38 ^h 83	Feb. 15	F	45 ^h 86	α Octantis.		
July 5	J	41 ^h 08	16	J	45 ^h 90	Oct. 13	F	167 30 41 ^h 26
12	J	41 ^h 76	20	J	47 ^h 95	α Octantis S.P.		
24	W	42 ^h 33	Mar. 2	J	47 ^h 72	Feb. 20	J	167 30 44 ^h 47
Aug. 10	G	42 ^h 00	Brisbane 6809 S.P.			Mar. 2	J	42 ^h 31
Lacaille 7442.			Feb. 20	J	153 47 62 ^h 45	6	J	43 ^h 06
July 25	W	175 40 36 ^h 83	Mar. 2	J	62 ^h 57	9	J	42 ^h 83
27	G	35 ^h 96	16	J	59 ^h 52	Lacaille 8474.		
* 7 Mag. R.A. 18 ^h 14 ^m 34 ^s .			Lacaille 8257.			June 8	G	175 16 21 ^h 11
July 27	G	175 39 53 ^h 22	June 8	G	174 50 11 ^h 89	July 24	J	19 ^h 40
ζ Pavonis.			Aug. 3	J	11 ^h 40	Aug. 3	J	19 ^h 48
Aug. 14	F	161 31 55 ^h 96	β Pavonis.			Lacaille 8511.		
ζ Pavonis S.P.			Mar. 1	J	156 39 46 ^h 40	June 21	J	174 49 63 ^h 07
Jan. 26	J	161 31 58 ^h 94	2	J	47 ^h 92	July 5	J	62 ^h 26
31	J	58 ^h 80	β Pavonis S.P.			27	J	59 ^h 38
Feb. 13	J	63 ^h 24	Feb. 20	J	156 39 51 ^h 87	B Octantis.		
Mar. 10	F	62 ^h 17	21	F	51 ^h 09	May 30	G	179 26 23 ^h 61
Lacaille 7751.			Mar. 2	J	50 ^h 72	June 8	G	24 ^h 62
May 30	C	174 56 4 ^h 69	6	J	49 ^h 86	July 12	J	23 ^h 84
June 2	C	4 ^h 21	9	J	50 ^h 40	24	J	23 ^h 02
8	J	4 ^h 31	10	F	47 ^h 94	Aug. 3	J	24 ^h 06
21	J	4 ^h 81	16	J	47 ^h 68	10	J	21 ^h 33
July 5	J	5 ^h 19	21	J	50 ^h 20	B Octantis S.P.		
12	J	4 ^h 40	23	J	43 ^h 72	Mar. 9	J	179 26 25 ^h 53
24	J	5 ^h 46	31	F	49 ^h 93	14	F	26 ^h 00
27	J	4 ^h 82						

28 *Separate Results for Mean N.P.D. of Stars observed*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
B Octantis S.P. (<i>continued.</i>)			λ Octantis			α Tucanæ (<i>continued.</i>)		
Mar. 16	J	179 26 27.08	Oct. 13	F	173 18 27.68	Oct. 16	G	150 54 3.89
21		25.44	16	G	28.83	17	F	2.53
23	J	26.36	17	F	28.38	19	G	2.61
31	F	27.15	19	G	28.69	25	F	3.56
Apr. 20	F	26.58	λ Octantis S.P.			α Tucanæ S.P.		
Lacaille 8551.			Mar. 2	J	173 18 30.79	Mar. 23	J	150 54 14.96
June 2	W	175 21 19.90	9	J	31.03	27	J	1.19
21	W	18.45	16	J	31.04	Lacaille 9123.		
July 5	J	18.07	21	J	30.05	June 8	G	174 24 49.15
27	J	16.86	Apr. 13	C	31.34	July 5	G	49.81
γ Pavonis.			Lacaille 8738.			12	W	49.54
Oct. 17	F	155 56 48.96	May 30	G	177 5 48.95	Lacaille 9123 S.P.		
γ Pavonis S.P.			June 8	G	48.73	June 8	W	174 24 50.62
Mar. 2	J	155 56 53.81	July 5	J	48.01	β Octantis.		
Lacaille 8626.			12	J	48.05	Oct. 16	G	172 3 22.26
June 8	G	176 25 8.88	24	J	49.64	17	F	20.81
July 5	J	7.60	C Octantis.			19	G	20.65
12	J	8.18	May 30	G	176 37 9.70	25	F	21.54
24	J	8.95	June 2	W	10.72	β Octantis S.P.		
Lacaille 8751.			July 5	J	8.59	Apr. 27	F	172 3 25.73
May 30	G	174 32 52.04	12	J	8.99	May 3	F	25.22
June 21	W	51.85	24	J	9.28	Lacaille 9375.		
July 24	J	52.10	Aug. 3	J	10.30	Oct. 12	C	157 33 24.76
Lacaille 8720.			10	J	6.79	13	F	25.00
June 2	W	175 37 29.03	C Octantis S.P.			16	G	27.09
8	G	29.89	Apr. 13	C	176 37 12.46	19	G	25.56
July 5	J	28.23	27	F	12.59	25	F	25.89
12	J	28.60	May 2	C	12.38	30	G	25.93
27	J	27.49	3	F	12.55	31	C	26.25
Aug. 3	J	29.38	5	C	12.01	Lacaille 9375 S.P.		
			June 2	G	10.35	Apr. 18	J	157 33 30.46
			α Tucanæ.			25	J	32.18
			Mar. 22	J	150 54 3.92	28	J	28.21
			23	J	3.06	May 3	F	26.69
			26	J	2.03			
			Oct. 13	F	2.36			

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
r Octantis.			Lacaille 9464.			Lacaille 9563.		
May 30	G	178 11 18'40	June 21	W	177 6 38'61	June 8	G	174 34 43'86
June 2	W	20'66	July 12	W	39'64	21	W	43'93
8	G	20'57	24	G	40'31	July 5	G	44'95
21	W	19'25	Lacaille 9464 S.P.			24	G	44'46
Aug. 3	J	20'21	June 21	G	177 6 42'78	Lacaille 9563 S.P.		
10	J	18'84	Lacaille 9537.			June 21	G	174 34 45'90
r Octantis S.P.			Oct. 12	C	163 24 35'83	Lacaille 9596.		
May 30	W	178 11 20'60	13	F	35'46	June 8	G	176 36 48'49
June 2	G	22'22	16	G	37'14	July 5	G	48'27
8	W	22'13	17	F	34'99	12	W	47'77
Lacaille 9401.			19	G	35'52	24	G	49'84
May 30	G	176 25 3'57	30	G	36'77	Lacaille 9596 S.P.		
June 2	W	3'78	31	C	35'23	June 2	G	176 36 49'58
8	G	4'77	Lacaille 9537 S.P.			8	W	50'15
July 5	G	3'53	Apr. 14	J	163 24 38'47			
12	W	3'52	25	J	39'00			
Lacaille 9401 S.P.								
May 30	W	176 25 4'94						
June 2	G	5'39						
8	W	7'36						

ROYAL OBSERVATORY,

CAPE OF GOOD HOPE.

CATALOGUE

OF

CONCLUDED MEAN RIGHT ASCENSIONS

AND

MEAN NORTH POLAR DISTANCES,

FOR 1871, JANUARY 1,

OF

STARS OBSERVED IN THE YEAR 1871;

AND

STAR CONSTANTS COMPUTED FOR THE EPOCH.

(The North Polar Distances are corrected for Discordance between the Direct and
Reflexion Observations when reduced with the Nadir point reading.)

No.	Star's Name.	Magnitude.	Mean R.A. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			<i>h m s</i>			<i>s</i>	<i>° ' "</i>			<i>"</i>
1	Lacaille 9745..... Lacaille 9745 S.P.	7	0 1 54.28	0.50	6	+ 2.877	176 45 26.78 27.59	0.52 0.45	4 2	-20.05
2	Lacaille 23..... Lacaille 23 S.P....	6	0 8 22.79	0.52	2	2.423	175 42 46.68 45.61	0.56 0.47	1 1	20.04
3	ε Ceti.....	3.4	0 12 51.23	0.81	1	+ 3.060	.. . .	..	..	..
4	ο Octantis.	7	0 13 5.35	0.59	3	- 1.680	179 4 49.55	0.59	3	20.02
5	β Hydri..... β Hydri S.P.....	3	0 18 55.93	0.51	47	+ 3.279	167 58 51.67 52.80	0.67 0.28	14 10	20.25
6	12 Ceti.....	6	0 23 27.32	0.51	3	3.059	.. . .	..	..	..
7	Lacaille 228..... Lacaille 228 S.P..	7	0 36 25.29	0.54	4	0.077	175 57 38.35 36.33	0.58 0.43	3 1	19.80
8	β Ceti	2	0 37 6.75	0.86	2	+ 3.012	.. . .	..	..	..
9	Lacaille 242..... Lacaille 242 S.P..	7	0 38 50.69	0.47	2	- 0.254	176 7 10.53 13.15	0.47 0.47	1 1	19.77
10	Lacaille 248..... Lacaille 248 S.P..	6.7	0 39 53.75	0.55	4	0.618	176 24 30.38 28.04	0.55 0.53	3 1	19.75
11	Lacaille 293..... Lacaille 293 S.P..	7	0 46 8.91	0.54	6	- 1.424	176 35 46.13 46.61	0.56 0.49	4 2	19.65
12	ε Piscium.....	4	0 56 14.95	0.76	2	+ 3.113	.. . .	..	..	..
13	ζ ¹ Piscium	5.4	1 6 59.57	0.56	1	3.119	.. . .	..	..	..
14	Lacaille 361..... Lacaille 361 S.P.	5	1 12 35.13	0.74	5	2.088	157 4 43.86 45.68	0.94 0.44	3 4	19.06
15	θ Ceti.....	3	1 17 34.54	0.76	2	2.996	.. . .	..	..	..
16	η Piscium.....	4.3	1 24 34.99	0.58	2	3.199	.. . .	..	..	..
17	α Eridani.....	1	1 32 54.	..	..	2.235	147 53 34.45	0.41	46	18.42
18	ν Piscium.....	5.4	1 34 43.18	0.58	2	+ 3.114	.. . .	..	..	..
19	Lacaille 634..... Lacaille 634 S.P..	6	1 45 7.74	0.54	12	- 4.317	175 25 12.74 12.21	0.55 0.53	6 6	17.98
20	α Hydri.....	3	1 54 42.32	0.96	2	+ 1.853	152 11 54.59	0.96	2	17.59
21	α Arietis.....	2	1 59 54.26	0.75	2	+ 3.366	.. . .	..	..	..
22	Lacaille 760..... Lacaille 760 S.P..	7	2 3 46.61	0.52	5	- 5.988	175 39 38.38 37.87	0.58 0.49	2 3	17.20
23	Lacaille 764..... Lacaille 764 S.P..	6	2 5 48.12	0.53	6	- 5.547	175 22 22.74 21.51	0.57 0.50	3 3	17.11
24	67 Ceti.....	6	2 10 32.86	0.69	3	+ 2.987	.. . .	..	..	..
25	ξ ² Ceti.....	4	2 21 18.09	0.53	1	3.180	.. . .	..	..	..
26	Lacaille 779..... Lacaille 779 S.P.	6	2 25 4.04	0.96	2	1.387	154 52 36.07 33.07	0.97 0.49	3 1	16.17
27	ν Ceti.....	5	2 29 6.31	0.53	1	3.143	.. . .	..	..	..
28	δ Ceti.....	4	2 32 52.24	0.95	1	+ 3.069	.. . .	..	..	..
29	Lacaille 1029..... Lacaille 1029 S.P.	7	2 40 14.61	0.52	13	-10.186	176 17 12.51 9.85	0.57 0.51	3 10	15.35
30	Lacaille 1146..... Lacaille 1146 S.P.	7	2 51 58.96	0.50	5	- 8.669	175 33 35.18 35.39	0.61 0.47	1 4	-14.67

No.	Star's Name.	Magnitude.	Mean R.A. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
31	Lacaille 1884..... Lacaille 1884 S.P.	7	2 53 32.08	0.56	8	-47.087	178 57 3.53 3.22	0.58 0.55	2 6	-14.58
32	α Ceti.....	2.3	2 55 32.26	0.68	2	+ 3.128	.. . .	..	..	..
33	κ Persei.....	4.5	3 0 48	..	..	+ 4.001	45 37 59.32	0.02	3	14.13
34	Lacaille 1203..... Lacaille 1203 S.P.	7	3 4 35.28	0.54	11	-12.175	176 22 55.29 54.40	0.60 0.52	2 9	13.89
35	α Persei	2	3 15 7	..	..	+ 4.248	40 36 0.78	0.02	3	13.16
36	Lacaille 1848..... Lacaille 1848 S.P.	7	3 22 32.13	0.57	9	-41.786	178 40 48.99 47.16	0.59 0.56	1 7	12.72
37	Lacaille 1164..... Lacaille 1164 S.P.	5.6	3 29 33.06	0.45	10	+ 0.586	156 55 36.46 37.39	0.43 0.51	7 6	12.24
38	Lacaille 1414 S.P.	7	3 47 20.23	0.53	9	-10.083	175 8 13.64	0.53	9	10.97
39	γ Hydri..... γ Hydri S.P.....	3	3 49 16.01	0.51	17	- 1.023	164 38 2.53 3.44	0.48 0.50	12 8	10.83
40	γ ¹ Eridani.....	3	3 52 0.70	0.69	2	+ 2.794	.. . .	..	..	..
41	μ Persei.....	4.5	4 5 25	..	..	+ 4.377	41 55 19.75	0.04	4	9.62
42	Lacaille 1592 S.P.	6.7	4 6 46.03	0.56	6	-12.357	175 38 13.82	0.56	6	9.51
43	α Reticuli..... α Reticuli S.P.....	3.4	4 12 46.11	0.51	7	+ 0.751	152 47 50.29 49.83	0.36 0.51	6 7	9.05
44	α Tauri.....	1	4 28 31.19	0.51	1	+ 3.435	.. . .	..	..	..
45	Lacaille 1839 S.P.	7	4 37 30.85	0.51	7	-17.634	176 33 1.64	0.51	7	7.06
46	α Aurigæ.....	1	5 7 10	..	..	+ 4.421	44 8 10.88	0.05	10	4.15
47	β Orionis.....	1	5 8 20.25	0.52	3	+ 2.880	.. . .	..	..	..
48	Lacaille 1921..... Lacaille 1921 S.P.	6	5 13 38.72	0.42	3	- 7.065	172 38 16.24 16.16	0.06 0.55	6 5	4.03
49	δ Orionis.....	2	5 25 24.96	0.51	3	+ 3.064	.. . .	..	..	..
50	ε Orionis.....	2	5 29 40.07	0.54	3	3.040	.. . .	..	..	..
51	α Columbæ.....	2	5 34 58.80	0.47	1	2.179	.. . .	..	..	..
52	δ Doradus..... δ Doradus S.P.....	4.5	5 44 32.78	0.33	2	0.106	155 47 2.60 3.04	0.12 0.62	3 2	1.35
53	α Orionis.....	Var.	5 48 11.19	0.52	5	3.246	.. . .	..	..	..
54	β Aurigæ.....	2	5 50 4	..	..	+ 4.404	45 4 7.45	0.11	3	0.87
55	Lacaille 2296 S.P.	6	5 55 13.87	0.46	6	-11.733	174 50 28.02	0.46	6	- 0.42
56	Lacaille 2203.....	6	6 6 0.56	0.03	1	+ 0.067	156 1 17.65	0.05	3	+ 0.53
57	Lacaille 2191.....	6	6 6 57.78	0.16	1	+ 1.724	135 15 18.26	0.16	1	0.61
58	Lacaille 2512 S.P.	6	6 13 45.33	0.58	2	-15.658	175 55 27.93	0.58	2	1.20
59	μ Geminorum.....	3	6 15 9.42	0.18	2	+ 3.632	.. . .	..	..	..
60	Lacaille 2302.....	7	6 23 40.94	0.16	1	+ 1.914	131 3 17.67	0.16	1	2.07
61	Lacaille 2368.....	5.6	6 26 34.68	0.03	1	- 0.502	159 36 58.23	0.04	2	2.32
62	Lacaille 2356.....	6	6 28 8.45	0.10	1	+ 0.820	149 29 59.63	0.12	1	2.47
63	γ Geminorum.....	2.3	6 30 15.54	0.16	1	3.466
64	Lacaille 2432.....	6	6 36 37.60	0.17	3	+ 0.649	151 25 10.94	0.14	8	+ 3.19

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			h m s			"	° ' "			"
65	α Canis Majoris...	1	6 39 26.85	0.03	1	+ 2.646	106 32 29.63	0.05	3	+ 4.68
66	B.A.C. 2261.....	6	6 48 12	+ 4.392	44 44 29.33	0.14	3	4.19
67	Lacaille 2597.....	5.6	6 52 55.33	0.15	1	- 0.666	160 48 7.61	0.11	5	4.59
68	ϵ Canis Majoris...	2.1	6 53 33.32	0.31	3	+ 2.357	.. . .	..	..	..
69	δ Canis Majoris...	2	7 3 8.75	0.60	2	2.439	.. . .	..	..	..
70	Lacaille 2653.....	6	7 5 8.28	0.19	1	1.783	.. . .	..	..	..
71	δ Geminorum.....	3.4	7 12 25.03	0.16	1	+ 3.592	.. . .	..	..	..
72	δ Volantis.....	5	7 16 53.27	0.17	3	- 0.009	157 43 15.27	0.14	8	6.60
73	Lacaille 2850.....	6	7 27 5.61	0.19	1	+ 1.575	140 20 19.19	0.19	1	7.44
74	Lacaille 3274 S.P.	6.7	7 31 24.85	0.52	6	-19.053	176 48 37.15	0.52	6	7.78
75	α Canis Minoris...	1	7 32 32.87	0.28	4	+ 3.144	.. . .	..	..	..
76	B.A.C. 2532.....	6	7 34 16	..	..	+ 4.571	39 15 50.19	0.15	2	8.02
77	ζ Volantis.....	5	7 43 23.55	0.18	2	- 0.697	162 17 44.58	0.14	7	8.74
78	Lacaille 3083.....	6	7 48 49.15	0.13	2	+ 0.418	155 51 59.15	0.16	8	9.17
79	δ Cancrī.....	5	7 55 35.54	0.18	3	3.694	61 50 46.72	0.18	3	9.76
80	Lacaille 3141.....	6	8 0 5.02	0.19	1	2.314	.. . .	..	..	..
81	15 Argūs.....	3	8 2 2.96	0.17	2	2.554	.. . .	..	..	..
82	Lacaille 3224.....	6	8 6 43.41	0.18	1	0.798	.. . .	..	..	..
83	Lacaille 3222	5.6	8 6 51	..	..	+ 1.027	150 54 41.32	0.24	1	10.54
84	Brisbane 2007 S.P.	8.7	8 8 45.55	0.50	4	-11.535	175 34 13.72	0.50	4	10.68
85	A Octantis.....									
	A Octantis S.P....	7	8 13 14.00	0.57	4	39.347	178 29 26.76	0.16	6	11.01
							27.21	0.57	4	
86	α Chamæleontis...	4.5	8 21 48.96	0.18	1	- 1.468	166 30 39.82	0.17	6	11.63
87	β Volantis	5	8 24 19	..	..	+ 0.678	155 42 23.47	0.24	1	11.81
88	ϵ Hydræ	3.4	8 39 56.48	0.19	4	+ 3.183	.. . .	..	..	..
89	Lacaille 3759 S.P.	6.7	8 45 19.44	0.49	4	-11.726	176 7 6.55	0.50	3	13.24
90	Brisbane 2379.....	6	9 4 32.04	0.20	2	+ 0.665	159 3 21.98	0.21	4	14.53
91	β Argūs.....									
	β Argūs S.P.....	1	9 11 46.25	0.60	12	0.716	159 11 10.43	0.21	9	14.89
							9.78	0.64	4	
92	δ Cancrī.....	6	9 11 46.77	0.25	2	+ 3.356	.. . .	..	..	..
93	ζ Octantis S.P....	5.6	9 14 55.90	0.48	5	- 7.316	175 8 34.43	0.48	5	15.07
94	B.A.C. 3218.....	5.6	9 20 12	..	..	+ 3.966	43 50 3.83	0.19	4	15.37
95	ζ Antliæ (smaller *)	..	9 25 14	..	..	2.564	121 19 27.32	0.34	2	15.65
96	ζ Antliæ.....	6	9 25 14.69	0.34	2	2.564	121 19 20.60	0.33	3	15.65
97	Lacaille 3917.....	5.6	9 29 7	..	..	2.147	138 25 59.82	0.20	1	15.86
98	B.A.C. 3330.....	6.7	9 38 26	..	..	3.866	44 17 16.76	0.21	2	16.35
99	ϵ Leonis.....	3	9 38 31.54	0.27	5	3.419	65 37 59.84	0.18	1	16.38
100	ν Argūs.....									
	ν Argūs S.P.....	3	9 43 52.60	0.49	10	+ 1.505	154 28 26.62	0.26	10	+16.62
							28.27	0.79	4	

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101	B.A.C. 3381.	5	9 47 16	+ 3 957	39 34 19'65	0'21	2	+16'78
102	Lacaille 4169 S.P. (1st)	8	9 48 25'76	0'53	3	- 5'939	175 25 6'09	0'53	3	16'84
103	Lacaille 4169 S.P. (2nd)	7'8	9 48 39'56	0'54	7	- 5'975	175 25 7'04	0'54	6	16'85
104	π Leonis.....	5	9 53 23'67	0'26	4	+ 3'176	81 20 17'89	0'18	1	17'10
105	α Leonis.....	1'2	10 1 29'99	0'29	6	+ 3'201	.. . .	..	..	..
106	Lacaille 4342.	7	10 11 53'56	0'48	5	- 6'277	176 16 56'80	0'42	1	17'87
	Lacaille 4342 S.P.						56'16	0'49	4	
107	γ^1 Leonis.....	2	10 12 51'39	0'28	2	+ 3'316	.. . .	..	..	..
108	Lacaille 4296.....	5'6	10 19 8'76	0'53	9	1'778	156 14 57'37	0'30	7	18'15
	Lacaille 4296 S.P.						57'84	0'79	5	
109	μ Hydræ.....	4	10 19 51'11	0'41	1	2'908	.. . .	..	..	..
110	ρ Leonis.....	4	10 26 1'01	0'38	5	+ 3'166	.. . .	..	..	..
111	*.....	7	10 31 10'14	0'45	5	- 3'976	175 53 56'33	0'42	2	18'57
	*.....S.P.						56'90	0'48	3	
112	*.....S.P.	7	10 31 13'83	0'57	3	22'280	178 51 31'12	0'59	3	18'57
113	Lacaille 4510.	6'7	10 38 19'48	0'45	9	- 2'753	175 25 17'57	0'42	3	18'79
	Lacaille 4510 S.P.						16'67	0'47	6	
114	ι Leonis.....	5	10 42 28'47	0'36	3	+ 3'157	.. . .	..	..	..
115	δ^2 Chamæleontis..	5	10 44 32	..	..	0'616	169 51 35'24	0'25	1	18'98
116	ω Ursæ Majoris...	5	10 46 33	..	..	+ 3'477	46 7 27'21	0'33	2	19'03
117	Lacaille 4578.....	7	10 47 35'38	0'46	9	- 3'216	176 13 12'03	0'42	2	19'06
	Lacaille 4578 S.P.						11'66	0'48	7	
118	Lacaille 4548.....	7	10 52 47'99	0'48	6	+ 2'099	158 20 53'72	0'32	4	19'20
	Lacaille 4548 S.P.						54'66	0'81	4	
119	d Leonis.....	5	10 53 53'87	0'43	2	3'101	.. . .	..	..	..
120	χ Leonis.....	5	10 58 21'66	0'34	5	3'098	.. . .	..	..	..
121	δ Leonis.....	2'3	11 7 14'65	0'31	4	+ 3'202	68 46 12'69	0'29	2	19'67
122	Lacaille 4708 S.P.	7	11 7 50'11	0'53	3	- 0'411	175 2 59'08	0'53	3	19'54
123	Lacaille 4731 S.P.	7	11 10 49'00	0'55	3	- 0'570	175 31 46'48	0'55	3	19'60
124	B.A.C. 3856.....	5	11 12 6	..	..	+ 3'296	51 6 27'32	0'32	4	19'62
125	δ Hydræ et Crateris	3'4	11 12 53'53	0'31	2	2'995	.. . .	..	..	..
126	Lacaille 4744.....	6	11 19 3'42	0'51	7	2'360	161 32 53'06	0'31	4	19'74
	Lacaille 4744 S.P.						53'60	0'79	5	
127	Lacaille 4765.....	7	11 23 2'54	0'41	5	2'420	161 45 48'86	0'32	4	19'79
	Lacaille 4765 S.P.						47'84	0'82	2	
128	Brisbane 3618.....	7	11 23 28'19	0'47	7	+ 0'966	174 14 42'98	0'42	3	19'80
	Brisbane 3618 S.P.						42'74	0'51	3	
129	*.....	7	11 26 23'86	0'53	4	- 4'559	178 32 2'07	0'42	1	19'84
	*.....S.P.						1'60	0'57	3	
130	v Leonis.....	..	11 30 20'63	0'31	2	+ 3'069	.. . .	..	..	..
131	Lacaille 4865.....	7	11 34 27'70	0'48	7	+ 1'448	174 46 21'70	0'42	3	+19'93
	Lacaille 4865 S.P.						20'74	0'52	4	

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132	χ Ursæ Majoris...	4	11 39 14	+ 3'207	41 30 19'10	0'32	4	+19'97
133	β Leonis.....	2	11 42 28'65	0'34	6	3'064
134	δ Virginis.....	6	11 53 20	..	..	3'075	85 37 35'46	0'30	1	20'05
135	Lacaille 4991.....	6	11 55 57'79	0'47	7	2'808	174 54 48'01	0'44	3	20'05
	Lacaille 4991 S.P.						48'46	0'49	4	
136	θ^1 Crucis.....	5'6	11 56 28'30	0'56	8	3'033	152 35 40'91	0'33	4	20'05
	θ^1 Crucis S.P.....						40'56	0'80	5	
137	ϵ Corvi.....	3	12 3 29'54	0'33	4	3'075	.. . .	..	..	..
138	Brisbane 3962.....	7	12 7 27'35	0'51	3	4'153	177 41 52'28	0'42	1	20'04
	Brisbane 3962 S.P.						52'79	0'56	2	
139	β Chamæleontis.	5	12 10 50'06	0'46	7	3'341	168 35 44'26	0'33	4	20'04
	β Chamæl. S.P...						45'78	0'81	5	
140	Lacaille 5107.....	6	12 15 32'81	0'47	6	4'207	175 26 5'56	0'46	4	20'01
	Lacaille 5107 S.P.						5'85	0'49	2	
141	δ^2 Corvi.....	2'3	12 23 11'49	0'46	5	3'111	.. . .	..	..	..
142	γ Crucis.....	2	12 24 1	..	..	3'281	146 23 26'75	0'25	1	19'94
143	γ Muscæ.....	4	12 24 47'62	0'74	4	3'502	161 25 10'86	0'31	1	19'94
	γ Muscæ S.P.....						12'81	0'85	3	
144	β Corvi.....	2'3	12 27 36'80	0'51	8	3'131	112 40 59'61	0'28	1	19'98
145	Brisbane 4091.....	7	12 32 25'19	0'52	5	14'946	179 5 26'61	0'47	2	19'85
	Brisbane 4091 S.P.						26'34	0'56	3	
146	γ Virginis (mean)	3'2	12 35 7'39	0'33	2	3'038	.. . .	..	..	..
147	β Crucis.....	2	12 40 12'07	0'52	7	3'460	148 58 58'78	0'45	6	19'75
	β Crucis S.P.....						49'82	0'93	1	
148	ϵ Octantis.....	5	12 41 41'67	0'50	4	5'549	174 25 18'00	0'42	2	19'72
	ϵ Octantis S.P.....						17'71	0'59	2	
149	δ Virginis.....	3	12 49 6'35	0'47	4	3'052	.. . .	..	..	..
150	α Canum Venat...	3	12 49 59'40	0'34	1	2'815	50 59 5'05	0'30	5	19'52
151	Lacaille 5325.....	7	12 53 9'70	0'49	9	8'684	176 51 53'34	0'45	5	19'52
	Lacaille 5325 S.P.						52'93	0'55	4	
152	δ Muscæ.....	4	12 53 25'91	0'41	1	3'962	160 51 8'76	0'41	1	19'51
153	ϵ Virginis.....	3'2	12 55 45'34	0'49	2	3'006	.. . .	..	..	..
154	θ Muscæ.....	5'6	12 59 49'11	0'51	8	3'799	154 36 55'30	0'37	6	19'38
	θ Muscæ S.P.....						56'27	0'90	3	
155	θ Virginis.....	4'5	13 3 16'31	0'41	5	3'099	.. . .	..	..	..
156	Lacaille 5452.....	7	13 15 39'93	0'51	6	8'186	175 9 17'08	0'45	3	18'97
	Lacaille 5452 S.P.						17'58	0'56	3	
157	Lacaille 5444.....	7	13 16 42'42	0'52	7	9'447	176 3 33'23	0'49	4	18'94
	Lacaille 5444 S.P.						33'07	0'49	3	
158	α Virginis.....	1	13 18 23'97	0'42	4	3'150	.. . .	..	..	..
159	ϵ Octantis.....	5	13 20 32'50	0'52	9	8'466	175 7 20'81	0'47	5	18'83
	ϵ Octantis S.P.....						19'58	0'55	4	
160	Lacaille 5566.....	6	13 24 38'14	0'44	4	+ 4'106	154 58 2'29	0'46	6	+18'70

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			h m s			s	° ' "			"
161	ζ Virginis.....	3·4	13 28 7·33	0·51	1	+ 3·053
162	*.....S.P.	7·8	13 28 39·49	0·55	6	12·602	176 58 14·29 13·45	0·53 0·55	1 5	+18·57
163	B.A.C. 4556.....	6	13 32 32	..	..	2·413	38 37 52·87	0·49	1	18·44
164	m Virginis.....	6	13 34 50·61	0·47	7	3·148	.. . .	..	..	..
165	β Centauri..... β Centauri S.P....	1	13 54 44·36	0·93	2	4·163	149 44 56·69 52·78	0·51 0·93	38 1	17·66
166	Brisbane 4614..... Brisbane 4614 S.P.	7·8	13 55 44·07	0·53	11	33·501	178 46 56·42 54·79	0·51 0·56	7 4	17·55
167	Lacaille 5836.....	7	14 4 43	..	..	4·550	155 5 39·30	0·49	1	17·16
168	α Boötis.....	1	14 9 46·64	0·56	6	2·734	.. . .	..	..	..
169	f Boötis.....	5	14 20 27·33	0·50	3	2·795	.. . .	..	..	..
170	Z Octantis..... Z Octantis S.P....	6·7	14 27 42·60	0·53	9	22·357	177 36 53·31 52·03	0·52 0·58	7 2	16·03
171	Lacaille 5882..... Lacaille 5882 S.P.	7	14 29 24·14	0·50	5	14·487	175 56 8·70 7·31	0·48 0·57	4 1	15·94
172	α ¹ Centauri.....	4	14 30 52	..	..	4·038	150 18 0·11	0·58	29	15·02
173	α ² Centauri.....	1	14 30 52	..	..	4·038	150 18 9·72	0·58	32	15·02
174	α Circini..... α Circini S.P....	3·4	14 32 6·70	0·01	1	4·792	154 24 39·06 37·71	0·49 0·01	1 1	15·80
175	α ² Libræ.....	2·3	14 43 44·73	0·93	1	3·308	.. . .	..	..	..
176	λ Boötis.....	6	14 44 43	..	..	2·138	43 20 40·53	0·49	3	15·10
177	ξ ² Libræ.....	5	14 49 46·27	0·41	1	3·246	.. . .	..	..	..
178	ψ Boötis.....	4·5	14 58 55·00	0·61	1	2·570	.. . .	..	..	..
179	γ Triang. Aust.... γ Triang. Aust. S.P.	3	15 6 54·28	0·50	7	5·506	158 11 59·95 62·07	0·50 0·33	9 3	13·75
180	β Libræ.....	2	15 10 4·03	0·53	3	3·218	.. . .	..	..	..
181	ρ Octantis S.P....	6	15 13 56	..	..	12·628	174 1 38·53	0·62	1	13·30
182	o ² Libræ.....	6	15 15 50·24	0·47	2	3·336	.. . .	..	..	..
183	μ Boötis.....	4·3	15 19 37	..	..	2·278	52 10 9·50	0·51	7	12·91
184	ζ ¹ Libræ.....	4	15 20 59·09	0·47	2	3·372	.. . .	..	..	..
185	α Coronæ Borealis	2	15 29 13·57	0·57	2	2·539	.. . .	..	..	..
186	α Serpentis.....	2·3	15 37 54·89	0·54	6	2·951	.. . .	..	..	..
187	β Triang. Aust.... β Triang. Aust. S.P.	3	15 43 47·91	0·36	10	5·249	153 1 45·31 42·59	0·50 0·04	13 3	11·23
188	γ Serpentis.....	4·3	15 50 29·78	0·57	1	2·746	.. . .	..	..	..
189	β ¹ Scorpii.....	2	15 57 56·37	0·51	7	3·477	.. . .	..	..	..
190	v Herculis.....	4·5	15 58 46	..	..	..	43 36 16·47	0·51	7	10·15
191	δ Ophiuchi.....	3	16 7 35·19	0·44	4	3·135	.. . .	..	..	..
192	Lacaille 6441.....	7	16 8 55·21	0·52	4	28·351	177 19 13·98	0·52	4	9·34
193	Brisbane 5607..... Brisbane 5607 S.P.	6·7	16 13 25·64	0·56	9	+20 644	176 6 34·37 35·83	0·54 0·64	7 1	+ 8·99

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			<i>h m s</i>			<i>s</i>	<i>° ' "</i>			<i>"</i>
194	α Scorpii.....	1.2	16 21 29.92	0.57	1	+ 3.668
195	λ Ophiuchi.....	4.3	16 24 24.49	0.42	2	3.023
196	β Apodis.....	5	16 24 43.45	0.38	6	8.461	167 14 29.46	0.55	5	+ 8.10
	β Apodis S.P.....						28.84	0.05	5	
197	ζ Ophiuchi.....	3.2	16 30 3.39	0.49	6	3.296	.. . .	..	..	..
198	α Triang. Aust....	2	16 35 1.75	0.21	15	6.283	158 47 10.87	0.43	10	7.34
	α Triang. Aust. S.P.						11.48	0.05	8	
199	Lacaille 6998.....	6	16 45 44.15	0.32	8	5.789	154 59 33.51	0.57	5	6.39
	Lacaille 6998 S.P.						33.70	0.05	7	
200	*.....	7	16 51 26.51	0.57	4	28.518	177 7 32.85	0.57	4	5.91
201	*.....	7	16 51 29.35	0.56	3	29.708	177 15 12.96	0.56	3	5.91
202	κ Ophiuchi.....	3.4	16 51 33.73	0.49	5	2.834	.. . .	..	..	..
203	ϵ Herculis.....	3.4	16 55 21.29	0.45	2	2.297	.. . .	..	..	..
204	η Ophiuchi.....	2.3	17 2 58.89	0.43	3	3.433	.. . .	..	..	..
205	α^1 Herculis.....	Var.	17 8 45.92	0.42	2	2.731	.. . .	..	..	..
206	θ Ophiuchi.....	3.4	17 14 5.27	0.43	1	3.677	.. . .	..	..	..
207	σ Ophiuchi.....	5	17 20 6.39	0.47	1	2.974	.. . .	..	..	..
208	Lacaille 7078.....	7	17 20 58.38	0.46	6	18.603	175 9 2.90	0.46	6	3.40
209	α Ophiuchi.....	2	17 28 56.82	0.48	3	2.779	.. . .	..	..	..
210	η Pavonis.....	4.5	17 33 4.52	0.58	1	5.876	154 39 37.84	0.58	1	2.35
211	Lacaille 7366.....	6	17 33 16.43	0.45	4	5.827	154 15 38.43	0.56	4	2.33
	Lacaille 7366 S.P.						39.89	0.07	5	
212	Brisbane 6058.....	6	17 38 51.49	0.49	8	35.571	177 39 15.88	0.49	8	1.85
213	δ Herculis.....	6	17 50 12.99	0.50	3	2.418	.. . .	..	..	..
214	π Pavonis.....	5	17 56 9.75	0.34	4	5.774	153 40 9.22	0.62	4	0.34
	π Pavonis S.P.....						10.25	0.08	5	
215	Brisbane 6229.....	7	17 58 56.40	0.55	5	23.573	176 16 7.25	0.55	5	+ 0.09
216	μ^1 Sagittarii.....	4	18 6 2.79	0.61	1	3.584	.. . .	..	..	..
217	σ Octantis.....	5.6	18 8 11.93	0.50	7	109.147	179 16 42.40	0.50	7	- 0.72
218	Lacaille 7442.....	7	18 13 59.24	0.57	2	20.726	175 40 37.66	0.57	2	1.22
219	*.....	8	18 14 33.54	0.57	1	20.675	175 39 54.48	0.57	1	1.22
220	λ Sagittarii.....	3	18 20 0.55	0.43	1	3.707	.. . .	..	..	..
221	ζ Pavonis.....	4	18 27 57.31	0.19	1	7.046	161 31 57.57	0.62	1	2.44
	ζ Pavonis S.P.....						60.20	0.12	4	
222	α Lyræ.....	1	18 32 34.25	0.41	1	2.030	.. . .	..	..	..
223	β^1 Lyræ.....	Var.	18 45 19.05	0.47	3	2.212	.. . .	..	..	..
224	Lacaille 7751.....	7	18 51 55.28	0.49	8	17.772	174 56 6.02	0.49	8	4.50
225	ζ Aquilæ.....	3	18 59 28.89	0.50	3	2.752	.. . .	..	..	..
226	τ Pavonis.....	5	19 2 36.61	0.61	1	6.498	159 24 15.85	0.62	2	- 5.41
	τ Pavonis S.P.....						15.06	0.12	3	
227	ψ Sagittarii.....	6	19 7 37.69	0.47	5	3.682	.. . .	..	..	..
228	ω Aquilæ.....	6.5	19 11 45.58	0.52	4	+ 2.814	.. . .	..	..	..

No.	Star's Name.	Magnitude.	Mean R.A. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
229	δ Aquilæ.....	3.4	19 18 59.61	0.52	2	+ 3.023	.. . .	..	..	..
230	Lacaille 8119 S.P.	6	19 25 55.44	0.16	1	5.892	156 11 46.71	0.13	5	- 7.34
231	α Aquilæ.....	1.2	19 44 29.35	0.41	1	2.928	.. . .	..	..	..
232	β Aquilæ.....	4	19 48 58.55	0.44	2	2.947	.. . .	..	..	..
233	ϵ Sagittarii.....	5	19 54 43.28	0.43	1	3.698	.. . .	..	..	..
234	Brisbane 6809 S.P.	6	20 2 56.60	0.16	1	5.408	153 48 1.10	0.17	3	10.25
235	α^2 Capricorni.....	3.4	20 10 53.72	0.42	1	3.332	.. . .	..	..	..
236	Lacaille 8257.....	7	20 11 24.13	0.51	2	15.502	174 50 12.94	0.51	2	10.88
237	ρ Capricorni.....	5	20 21 30.02	0.45	4	3.425	.. . .	..	..	..
238	ϵ Delphini.....	4	20 27 2.94	0.45	4	2.867	.. . .	..	..	..
239	β Pavonis.....	3	20 33 18.13	0.18	6	5.503	156 39 48.85	0.16	2	..
	β Pavonis S.P....						48.87	0.19	10	12.44
240	α Delphini.....	4.3	20 33 38.74	0.43	1	2.782	.. . .	..	..	..
241	*	7	20 45 55.48	0.56	4	16.436	175 42 48.53	0.56	4	13.28
242	*	6	20 48 54.78	0.48	3	17.824	176 9 38.80	0.48	3	13.48
243	α Octantis	4.5	20 48 59.56	0.37	3	7.539	167 30 42.73	0.78	1	..
	α Octantis S.P....						42.42	0.17	4	13.49
244	Lacaille 8474.....	7	20 49 50.76	0.53	3	14.999	175 16 21.27	0.53	3	13.54
245	Lacaille 8511.....	7	20 54 2.37	0.52	3	13.798	174 50 2.85	0.52	3	13.81
246	B Octantis.....	6.7	20 57 19.03	0.52	6	100.922	179 26 24.56	0.52	6	..
	B Octantis S.P....						25.20	0.22	7	14.01
247	θ Capricorni.....	4	20 58 41.58	0.78	1	3.376	.. . .	..	..	..
248	Lacaille 8551.....	7	21 3 40.69	0.49	4	14.520	175 21 19.59	0.49	4	14.41
249	ϵ Capricorni.....	4.5	21 15 3.66	0.57	1	3.348	.. . .	..	..	..
250	γ Pavonis.....	3	21 15 44.64	0.48	2	5.041	155 56 50.66	0.79	1	..
	γ Pavonis S.P....						52.45	0.20	3	15.12
251	Lacaille 8626.....	7	21 20 42.74	0.51	4	16.754	176 25 9.64	0.51	4	15.40
252	β Aquarii.....	3	21 24 45.94	0.79	1	3.161	.. . .	..	..	..
253	Lacaille 8751.....	7	21 27 34.58	0.48	3	11.717	174 32 53.29	0.48	3	15.78
254	Lacaille 8720.....	6.7	21 27 46.32	0.51	6	13.845	175 37 30.03	0.51	6	15.79
255	λ Octantis.....	5.6	21 30 48.11	0.79	1	9.978	173 18 29.73	0.79	4	..
	λ Octantis S.P....						29.92	0.21	5	15.95
256	ϵ Pegasi.....	2.3	21 37 50.99	0.47	2	2.948	.. . .	..	..	..
257	δ Capricorni.....	3	21 39 55.04	0.81	1	3.303	.. . .	..	..	..
258	Lacaille 8738.....	7	21 40 16.33	0.49	5	18.170	177 5 49.90	0.49	5	16.44
259	α Aquarii.....	3	21 59 9.42	0.46	5	3.080	.. . .	..	..	..
260	ϵ Pegasi.....	4	22 1 0.29	0.53	1	2.766	.. . .	..	..	..
261	C Octantis.....	6	22 6 8.90	0.51	8	13.859	176 37 10.43	0.52	7	..
	C Octantis S.P....						11.03	0.34	6	17.63
262	α Tucanæ.....	3	22 9 38.48	0.48	9	4.175	150 54 4.77	0.58	8	..
	α Tucanæ S.P....						7.73	0.23	2	-17.73
263	γ Aquarii.....	4.3	22 14 59.45	0.79	1	+ 3.094	.. . .	..	..	..

250. Two of the Observations observed S.P. are misplaced in the Ledger and appear on page 20.

251. Double: companion 8 mag.

No.	Star's Name.	Magnitude.	Mean R.A. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1871, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			<i>h m s</i>			<i>s</i>	<i>o ' "</i>			<i>"</i>
264	σ Aquarii.....	5.4	22 23 49.11	0.48	4	+ 3.182	.. . ..	..	..	..
265	η Aquarii.....	4.3	22 28 43.55	0.69	3	3.082	.. . ..	..	..	..
266	Lacaille 9123..... Lacaille 9123 S.P.	7	22 29 13.97	0.48	4	8.353	174 24 50.80 49.66	0.49 0.43	3 1	-18.50
267	β Octantis..... β Octantis S.P....	5	22 32 42.55	0.48	3	6.632	172 3 22.68 24.59	0.80 0.33	4 2	18.62
268	μ Pegasi.....	4	22 43 46.66	0.43	1	2.878	.. . ..	..	..	..
269	λ Aquarii.....	4	22 45 52.97	0.81	1	3.134	.. . ..	..	..	..
270	α Piscis Australis.	1.2	22 50 31.13	0.35	2	3.327	.. . ..	..	..	..
271	α Pegasi.....	2	22 58 20.16	0.42	6	2.983	.. . ..	..	..	..
272	Lacaille 9375..... Lacaille 9375 S.P.	6	23 1 55.05	0.58	9	3.884	157 33 27.46 28.90	0.80 0.31	7 4	19.41
273	τ Octantis..... τ Octantis S.P....	6	23 7 26.93	0.47	9	12.684	178 11 20.85 20.58	0.49 0.42	6 3	19.53
274	γ Piscium.....	4	23 10 28.64	0.81	1	3.106	.. . ..	..	..	..
275	Lacaille 9401..... Lacaille 9401 S.P.	7	23 15 51.82	0.45	8	7.160	176 25 5.07 4.88	0.46 0.42	5 3	19.68
276	κ Piscium.....	5.4	23 20 19.16	0.47	1	3.075	.. . ..	..	..	..
277	Lacaille 9464..... Lacaille 9464 S.P.	7	23 26 32.36	0.51	4	6.928	177 6 40.74 41.74	0.52 0.47	3 1	19.84
278	Lacaille 9537..... Lacaille 9537 S.P.	6.7	23 31 57.17	0.65	7	3.621	163 24 37.42 38.10	0.80 0.30	7 2	19.90
279	Lacaille 9563..... Lacaille 9563 S.P.	7	23 38 55.25	0.49	5	4.367	174 34 45.59 44.93	0.49 0.47	4 1	19.97
280	δ Sculptoris.....	4.5	23 42 12.07	0.79	1	3.138	.. . ..	..	..	..
281	Lacaille 9596..... Lacaille 9596 S.P.	7	23 43 59.15	0.47	7	4.657	176 36 49.82 48.84	0.51 0.43	4 2	-20.01
282	ω Piscium.....	4	23 52 41.23	0.54	2	+ 3.078	.. . ..	..	..	..

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>b'</i>	<i>c'</i>	<i>d''</i>
Lacaille 9745....	+0°0714	+7°9896	+0°4589	-0°0707	-8°5159	+9°9993	-1°3022	+7°9182
Lacaille 23.....	+9°9500	+8°5116	+0°3843	-9°9488	-8°8370	+9°9985	-1°3019	+8°5613
o Octantis.....	+0°6177	+9°3743	-0°2242	-0°6176	-8°8059	+9°9992	-1°3015	+8°7559
Lacaille 228.....	+9°9706	+9°1754	+8°8837	-9°9695	-9°2751	+9°9934	-1°2967	+9°1993
Lacaille 242.....	+9°9873	+9°2207	-9°4040	-9°9863	-9°2960	+9°9927	-1°2960	+9°2271
Lacaille 248.....	+0°0204	+9°2656	-9°7906	-0°0196	-9°3013	+9°9925	-1°2956	+9°2386
Lacaille 293.....	+0°0415	+9°3514	-0°1534	-0°0407	-9°3532	+9°9904	-1°2934	+9°3011
Lacaille 361.....	+9°2109	+8°7263	+0°3196	-9°1756	-9°6588	+9°9422	-1°2801	+9°4933
Lacaille 634.....	+9°8742	+9°5679	-0°6352	-9°8728	-9°6776	+9°9512	-1°2548	+9°6462
α Hydri.....	+9°0983	+8°8362	+0°2685	-9°0450	-9°7971	+9°8899	-1°2454	+9°6811
Lacaille 760.....	+9°8783	+9°6561	-0°7773	-9°8771	-9°7368	+9°9321	-1°2355	+9°7112
Lacaille 764.....	+9°8482	+9°6347	-0°7440	-9°8468	-9°7444	+9°9296	-1°2332	+9°7175
Lacaille 779.....	+9°1025	+8°9679	+0°1418	-9°0594	-9°8571	+9°8634	-1°2088	+9°7719
Lacaille 1029....	+9°8964	+9°8212	-1°0080	-9°8955	-9°8263	+9°8829	-1°1861	+9°8086
Lacaille 1146....	+9°7993	+9°7688	-0°9380	-9°7980	-9°8534	+9°8630	-1°1665	+9°8338
Lacaille 1884....	+0°4227	+0°3982	-1°6729	-0°4227	-9°8418	+9°8613	-1°1636	+9°8369
Lacaille 1203....	+9°8645	+9°8819	-1°0855	-9°8636	-9°8734	+9°8398	-1°1428	+9°8580
Lacaille 1848....	+0°2638	+0°3497	-1°6210	-0°2637	-9°8937	+9°8022	-1°1045	+9°8882
Lacaille 1164....	+9°0164	+9°1295	+9°7679	-8°9802	-9°9537	+9°7494	-1°0879	+9°8988
Lacaille 1414....	+9°6337	+9°8184	-1°0036	-9°6322	-9°9400	+9°7365	-1°0403	+9°9228
γ Hydri.....	+9°1331	+9°3258	-0°0097	-9°1173	-9°9669	+9°7166	-1°0346	+9°9252
Lacaille 1592....	+9°6187	+9°8874	-1°0919	-9°6174	-9°9594	+9°6747	-0°9782	+9°9447
α Reticuli.....	+8°8181	+9°1145	+9°8753	-8°7672	-9°9966	+9°6033	-0°9564	+9°9506
Lacaille 1839....	+9°5913	+0°0158	-1°2463	-9°5905	-9°9824	+9°5460	-0°8490	+9°9712
Lacaille 1921....	+9°0193	+9°7072	-0°8490	-9°0157	-0°0116	+9°2995	-0°6053	+9°9911
δ Doradus.....	+8°0394	+9°2100	+9°0241	-7°9994	-0°0366	+8°7884	-0°1306	+9°9990
Lacaille 2296....	+8°1880	+9°8700	-1°0694	-8°1862	-0°0148	+8°3162	-9°6202	+9°9999
Lacaille 2203.....	-7°6341	+9°2148	+8°8287	+7°5949	-0°0373	-8°3799	+9°7213	+9°9999
Lacaille 2191....	-7°4611	+8°9763	+0°2365	+7°3116	-0°0066	-8°3361	+9°7869	+9°9998
Lacaille 2512....	-8°7501	+9°9714	-1°1947	+8°7490	-0°0114	-8°7768	+0°0801	+9°9992
Lacaille 2302....	-8°0000	+8°9442	+0°2819	+7°7774	-9°9914	-8°8309	+0°3157	+9°9977
Lacaille 2368....	-8°3449	+9°2791	-9°7008	+8°3168	-0°0343	-9°0354	+0°3657	+9°9971
Lacaille 2356....	-8°2072	+9°1151	+9°9136	+8°1425	-0°0315	-9°0240	+0°3909	+9°9967
Lacaille 2432....	-8°3458	+9°1386	+9°8124	+8°2893	-0°0312	-9°1450	+0°5037	+9°9944
Lacaille 2597....	-8°6662	+9°2953	-9°8233	+8°6414	-0°0261	-9°3344	+0°6615	+9°9883
Lacaille 2653....	-8°4229	+8°9576	+0°2512	+8°2733	-9°9941	-9°2980	+0°7498	+9°9822
δ Volantis.....	-8°7626	+9°2202	-7°9685	-8°7289	-0°0163	-9°4838	+0°8197	+9°9751
Lacaille 2850....	-8°5883	+8°9868	+0°1972	+8°4746	-9°9964	-9°4557	+0°8716	+9°9679
Lacaille 3274....	-9°6678	+0°0430	-1°2796	+9°6671	-9°9751	-9°5886	+0°8915	+9°9645
ζ Volantis.....	-8°9804	+9°2951	-9°8431	+8°9593	-9°9953	-9°6184	+0°9417	+9°9542

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 3083....	-8.8724	+9.1615	+9.6209	+8.8327	-9.9952	-9.6203	+0.9622	+9.9491
Lacaille 3224....	-8.8934	+9.1032	+9.9019	+8.8449	-9.9801	-9.6717	+1.0224	+9.9300
Lacaille 3222....	-8.8579	+9.0669	+0.0120	+8.7993	-9.9797	-9.6622	+1.0230	+9.9298
Brisbane 2007 ...	-9.6627	+9.8636	-1.0620	+9.6614	-9.9431	-9.7252	+1.0288	+9.9275
A Octantis.....	-0.1431	+0.3255	-1.5949	+0.1430	-9.9278	-9.7395	+1.0419	+9.9221
α Chamæleontis..	-9.2196	+9.3670	-0.1668	+9.2074	-9.9510	-9.7513	+1.0657	+9.9109
β Volantis.....	-8.9797	+9.1171	+9.8316	+8.9394	-9.9615	-9.7298	+1.0723	+9.9075
Lacaille 3759....	-9.8132	+9.8690	-1.0691	+9.8122	-9.8913	-9.8188	+1.1220	+9.8756
Brisbane 2379 ...	-9.1308	+9.1090	+9.8228	+9.1012	-9.9024	-9.8305	+1.1624	+9.8383
β Argûs.....	-9.1440	+9.0993	+9.8551	+9.1147	-9.8923	-9.8411	+1.1729	+9.8260
ζ Octantis.....	-9.7722	+9.7159	-0.8643	+9.7707	-9.8417	-9.8745	+1.1782	+9.8197
Lacaille 3917....	-8.9003	+8.7887	+0.3324	+8.7743	-9.8726	-9.7722	+1.2004	+9.7866
ν Argûs.....	-9.1079	+8.9374	+0.1777	+9.0633	-9.8401	-9.8738	+1.2206	+9.7479
Lacaille 4169 (1).	-9.8456	+9.6563	-0.7773	+9.8442	-9.7604	-9.9227	+1.2264	+9.7348
„ „ (2).	-9.8459	+9.6557	-0.7763	+9.8445	-9.7598	-9.9230	+1.2266	+9.7342
Lacaille 4342....	-9.9618	+9.6695	-0.7978	+9.9609	-9.6826	-9.9489	+1.2520	+9.6574
Lacaille 4296....	-9.1754	+8.8482	+0.2500	+9.1370	-9.7517	-9.9181	+1.2588	+9.6293
No. 111.....	-9.9361	+9.5470	-0.5995	+9.9349	-9.6107	-9.9654	+1.2687	+9.5775
No. 112.....	-0.4913	+0.1019	-1.3479	+0.4912	-9.5868	-9.9665	+1.2688	+9.5772
Lacaille 4510....	-9.8936	+9.4645	-0.4398	+9.8922	-9.5825	-9.9704	+1.2740	+9.5427
δ^2 Chamæleontis..	-9.5543	+9.0879	+9.8165	+9.5475	-9.5962	-9.9692	+1.2783	+9.5096
Lacaille 4578....	-9.9828	+9.4973	-0.5073	+9.9819	-9.5298	-9.9770	+1.2802	+9.4924
Lacaille 4548....	-9.2380	+8.7179	+0.3220	+9.2062	-9.6323	-9.9493	+1.2833	+9.4610
Lacaille 4708....	-9.8766	+9.2414	-9.6140	+9.8750	-9.4186	-9.9870	+1.2909	+9.3535
Lacaille 4731....	-9.9221	+9.2604	-9.7557	+9.9207	-9.3911	-9.9886	+1.2921	+9.3283
Lacaille 4744....	-9.3165	+8.5736	+0.3728	+9.2936	-9.4857	-9.9701	+1.2952	+9.2501
Lacaille 4765....	-9.3229	+8.5347	+0.3838	+9.3005	-9.4600	-9.9720	+1.2965	+9.2061
Brisbane 3618...	-9.8172	+9.0234	+9.9852	+9.8150	-9.3041	-9.9923	+1.2967	+9.2007
No. 129.....	-0.4112	+9.5805	-0.6589	+0.4111	-9.1962	-9.9952	+1.2975	+9.1646
Lacaille 4865....	-9.8616	+8.9104	+0.1606	+9.8598	-9.1767	-9.9955	+1.2995	+9.0460
Lacaille 4991....	-9.8761	+8.1216	+0.4484	+9.8744	-8.7482	-9.9982	+1.3022	+8.2454
θ^1 Crucis.....	-9.1608	+7.3426	+0.4819	+9.1091	-9.3288	-9.9483	+1.3022	+8.1818
Brisbane 3962...	-0.2198	-8.7319	+0.6184	+0.2195	+8.1790	-9.9994	+1.3020	-8.5119
Lacaille 5107....	-9.9220	-8.7542	+0.6240	+9.9207	+8.5198	-9.9976	+1.3012	-8.8312
γ Crucis.....	-9.0783	-8.1006	+0.5162	+8.9989	-9.1847	-9.9181	+1.2998	-9.0198
γ Muscæ.....	-9.3191	-8.3541	+0.5443	+9.2948	-8.5551	-9.9742	+1.2997	-9.0334
Brisbane 4091....	-0.6189	-9.7724	+1.1745	+0.6189	+9.1274	-9.9956	+1.2979	-9.1491
β Crucis.....	-9.1051	-8.3537	+0.5391	+9.0381	-8.8692	-9.9263	+1.2955	-9.2418
ι Octantis.....	-9.8290	-9.0938	+0.7442	+9.8269	+9.1396	-9.9907	+1.2950	-9.2576
Lacaille 5325....	-0.0742	-9.4475	+0.9387	+0.0735	+9.3137	-9.9876	+1.2904	-9.3616

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d</i>	<i>u</i>	<i>e</i>	<i>g</i>
δ Muscæ.....	-9.2961	-8.6716	+0.5979	+9.2714	+8.8802	-9.9634	+1.2903	-9.3636
θ Muscæ.....	-9.1768	-8.6035	+0.5797	+9.1327	+8.6730	-9.9410	+1.2873	-9.4117
Lacaille 5452....	-9.8732	-9.4081	+0.9131	+9.8716	+9.4570	-9.9743	+1.2781	-9.5108
Lacaille 5444....	-9.9620	-9.5033	+0.9753	+9.9610	+9.4741	-9.9742	+1.2774	-9.5165
κ Octantis.....	-9.8669	-9.4313	+0.9277	+9.8654	+9.4859	-9.9710	+1.2748	-9.5369
Lacaille 5566....	-9.1671	-8.7549	+0.6134	+9.1243	+9.1569	-9.9269	+1.2719	-9.5575
No. 162.....	-0.0675	-9.6775	+1.1004	+0.0669	+9.5488	-9.9661	+1.2689	-9.5766
Brisbane 4614....	-0.4386	-0.1812	+1.5250	+0.4385	+9.6762	-9.9420	+1.2443	-9.6847
Lacaille 5836....	-9.1318	-8.9136	+0.6593	+9.0895	+9.4576	-9.8899	+1.2345	-9.7140
Z Octantis.....	-0.1074	-9.9834	+1.3494	+0.1070	+9.7651	-9.9024	+1.2050	-9.7788
Lacaille 5882....	-9.8737	-9.7564	+1.1610	+9.8726	+9.7592	-9.8992	+1.2026	-9.7830
α Circini.....	-9.0849	-8.9781	+0.6805	+9.0400	+9.5661	-9.8515	+1.1986	-9.7896
γ Trianguli.....	-9.0901	-9.1163	+0.7408	+9.0579	+9.7116	-9.8037	+1.1382	-9.8622
ρ Octantis.....	-9.6282	-9.6809	+1.1017	+9.6262	+9.8447	-9.8192	+1.1238	-9.8742
β Trianguli.....	-8.9154	-9.0856	+0.7201	+8.8654	+9.7337	-9.6981	+1.0503	-9.9183
Lacaille 6441....	-9.8225	-0.1010	+1.4526	+9.8220	+9.9363	-9.6679	+0.9706	-9.9469
Brisbane 5607....	-9.6441	-9.9436	+1.3147	+9.6431	+9.9357	-9.6507	+0.9540	-9.9512
β Apodis.....	-9.0860	-9.4411	+0.9274	+9.0742	+9.9011	-9.5954	+0.9085	-9.9613
Lacaille 6998....	-8.7009	-9.1747	+0.7626	+8.6581	+9.8298	-9.4602	+0.8052	-9.9768
No. 200.....	-9.5930	-0.1039	+1.4551	+9.5924	+9.9697	-9.4688	+0.7716	-9.9803
No. 201.....	-9.6126	-0.1237	+1.4739	+9.6121	+9.9703	-9.4686	+0.7713	-9.9803
Lacaille 7078....	-9.1260	-9.8905	+1.2696	+9.1245	+9.9756	-9.2276	+0.5314	-9.9937
η Pavonis.....	-8.2613	-9.1895	+0.7691	+8.2174	+9.8524	-9.0249	+0.3711	-9.9970
Lacaille 7366....	-8.2518	-9.1832	+0.7654	+8.2064	+9.8489	-9.0202	+0.3678	-9.9970
Brisbane 6058....	-9.1764	-0.2100	+1.5511	+9.1760	+9.9899	-8.9642	+0.2667	-9.9982
π Pavonis.....	-7.4022	-9.1769	+0.7614	+7.3546	+9.8474	-8.1777	+9.5274	-9.9999
Brisbane 6229....	-7.6770	-0.0105	+1.3724	+7.6761	+9.9866	-7.6657	+8.9688	-0.0000
σ Octantis.....	+9.2765	-0.7236	+2.0381	-9.2765	+9.9973	+8.5526	-9.8549	-9.9997
Lacaille 7442....	+8.7318	-9.9458	+1.3165	-8.7306	+9.9835	+8.7839	-0.0874	-9.9992
No. 219.....	+8.7538	-9.9446	+1.3154	-8.7525	+9.9833	+8.8071	-0.1105	-9.9991
ζ Pavonis.....	+8.4083	-9.3199	+0.8479	-8.3853	+9.9053	+9.0622	-0.3873	-9.9968
Lacaille 7751....	+9.2294	-9.8668	+1.2497	-9.2277	+9.9696	+9.3497	-0.6536	-9.9888
τ Pavonis.....	+8.7088	-9.2613	+0.8128	-8.6801	+9.8741	+9.4024	-0.7333	-9.9836
Lacaille 8119....	+8.7816	-9.1867	+0.7703	-8.7430	+9.8301	+9.5251	-0.8659	-9.9637
Brisbane 6809....	+8.8875	-9.1132	+0.7330	-8.8405	+9.7631	+9.6615	-1.0188	-9.9542
Lacaille 8257....	+9.6041	-9.7940	+1.1904	-9.6023	+9.9018	+9.7326	-1.0366	-9.9524
β Pavonis.....	+9.0186	-9.1207	+0.7406	-8.9815	+9.7391	+9.7555	-1.0947	-9.9506
No. 241.....	+9.7714	-9.8249	+1.2157	-9.7702	+9.8546	+9.8199	-1.1233	-9.8746
No. 242.....	+9.8255	-9.8676	+1.2510	-9.8246	+9.8511	+9.8265	-1.1297	-9.8695
α Octantis.....	+9.3166	-9.3582	+0.8773	-9.3062	+9.7985	+9.8173	-1.1299	-9.8693

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>h</i>	<i>l</i>	<i>d</i>
Lacaille 8474....	+9'7373	-9'7758	+1'1761	-9'7358	+9'8447	+9'8279	-1'1316	-9'8679
Lacaille 8511....	+9'7073	-9'7300	+1'1398	-9'7056	+9'8346	+9'8361	-1'1401	-9'8605
B Octantis.....	+0'6783	-0'6886	+2'0042	-0'6782	+9'8520	+9'8443	-1'1465	-9'8546
Lacaille 8551....	+9'7719	-9'7579	+1'1620	-9'7705	+9'8184	+9'8549	-1'1586	-9'8424
γ Pavonis.....	+9'0912	-9'0313	+0'7025	-9'0517	+9'6264	+9'8379	-1'1796	-9'8175
Lacaille 8626....	+9'9137	-9'8348	+1'2241	-9'9129	+9'7868	+9'8845	-1'1876	-9'8065
Lacaille 8751....	+9'7421	-9'6365	+1'0688	-9'7401	+9'7582	+9'8940	-1'1981	-9'7904
Lacaille 8720....	+9'8377	-9'7314	+1'1413	-9'8364	+9'7636	+9'8949	-1'1984	-9'7899
λ Octantis.....	+9'6580	-9'5399	+0'9990	-9'6551	+9'7414	+9'8976	-1'2028	-9'7825
Lacaille 8738....	+0'0331	-9'8772	+1'2593	-0'0325	+9'7403	+9'9132	-1'2159	-9'7579
C Octantis.....	+9'9974	-9'7314	+1'1417	-9'9966	+9'6534	+9'9433	-1'2463	-9'6781
α Tucanæ.....	+9'0846	-8'8027	+0'6217	-9'0260	+9'2871	+9'8890	-1'2498	-9'6657
Lacaille 9123....	+9'8006	-9'4225	+0'9218	-9'7986	+9'5344	+9'9629	-1'2672	-9'5869
β Octantis.....	+9'6511	-9'2534	+0'8217	-9'6469	+9'4887	+9'9635	-1'2699	-9'5701
Lacaille 9375....	+9'2280	-8'6413	+0'5893	-9'1938	+8'8209	+9'9517	-1'2881	-9'3992
τ Octantis.....	+0'3127	-9'6808	+1'1032	-0'3125	+9'3293	+9'9883	-1'2907	-9'3566
Lacaille 9401....	+0'0201	-9'3101	+0'8549	-0'0193	+9'2146	+9'9901	-1'2941	-9'2819
Lacaille 9464....	+0'1169	-9'2844	+0'8406	-0'1163	+9'0913	+9'9948	-1'2976	-9'1629
Lacaille 9537....	+9'3650	-8'4554	+0'5588	-9'3465	-7'8325	+9'9783	-1'2990	-9'0872
Lacaille 9563....	+9'8468	-8'8118	+0'6401	-9'8448	+8'7024	+9'9962	-1'3004	-8'9631
Lacaille 9596....	+0'0515	-8'8984	+0'6681	-0'0507	+8'6474	+9'9982	-1'3012	-8'8458

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS

FOR

MEAN N.P.D. OF STARS,

OBSERVED IN NOVEMBER AND DECEMBER,

1870,

FOR AN EXAMINATION OF BESSEL'S
REFRACTION TABLES.

46 *Separate Results for Mean N.P.D. of Stars observed at the*

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
β Hydri.			Lacaille 779.			μ Persei.		
Nov. 17	G	167 59 9'85	Nov. 28	J	154 52 49'62	Dec. 6	G	41 55 26'68
21	F	12'50	29	G	49'70	12	G	21'54
23	G	10'44	Dec. 1	J	50'13	19	G	26'93
24	J	10'26	2	F	50'82	α Reticuli.		
25	F	11'20	7	J	51'15	Dec. 12	G	152 47 57'94
28	J	9'70	8	G	50'48	19	G	58'35
Dec. 2	F	9'71	12	G	49'90	α Aurigæ.		
β Hydri S.P.			13	F	50'51	Dec. 19	G	44 8 15'58
Nov. 23	G	-167 59 13'06	14	G	50'37	β Chamæleontis S.P.		
24	G	11'41	16	F	49'20	Nov. 28	J	-168 35 30'19
Lacaille 361.			κ Persei.			Dec. 2	F	26'39
Nov. 29	G	157 5 0'91	Dec. 1	J	45 38 15'93	γ Muscæ S.P.		
Dec. 2	F	0'85	2	F	12'49	Nov. 18	J	-161 24 54'48
8	G	4'55	6	G	15'69	28	J	54'49
13	F	0'05	7	J	16'60	Dec. 2	F	56'79
ζ Andromedæ.			8	G	17'02	β Crucis.		
Nov. 29	G	42 1 54'95	12	G	12'20	Nov. 18	G	148 58 38'18
Dec. 8	G	53'81	16	F	12'66	22	G	37'87
12	G	50'59	19	G	14'95	23	G	38'09
16	F	51'42	α Persei.			24	G	38'35
α Eridani.			Dec. 1	J	40 36 12'24	β Crucis S.P.		
Nov. 17	G	147 53 51'54	6	G	15'08	Nov. 18	J	-148 58 41'03
21	F	50'16	7	J	11'53	22	G	47'24
22	G	50'88	16	F	6'66	23	G	41'04
25	F	50'71	19	G	9'21	24	J	41'14
α Hydri.			27	G	12'74	25	F	30'46
Nov. 18	J	152 12 10'22	Lacaille 1164.			29	G	44'88
22	G	8'68	Dec. 1	J	156 55 47'12	Dec. 2	F	31'36
23	G	10'51	6	G	47'32	θ Muscæ S.P.		
24	J	10'43	7	J	47'18	Nov. 29	G	-154 36 36'48
25	F	10'31	12	G	47'23	κ Octantis.		
29	G	9'37	16	F	46'30	Nov. 25	F	175 7 3'12
Dec. 2	F	10'13	19	G	47'32	28	J	4'42
8	G	10'07	27	G	45'60			
12	G	10'03	γ Hydri.					
13	F	10'04	Dec. 1	J	164 38 11'55			
14	G	9'46	7	J	11'79			
			12	G	11'49			

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 5566 S.P.			α Circini.			β Trianguli Aust.		
Dec. 8	G	-154 57 41.16	Nov. 29	F	154 24 21.78	Dec. 11	G	153 1 28.36
16	F	37.97		Dec. 6	G	23.73	22	G	33.31
β Centauri.			α Circini S.P.			β Trianguli Aust. S.P.		
Nov. 16	G	149 44 36.32	Nov. 28	J	-154 24 32.40	Dec. 1	J	-153 1 29.97
17	G	36.11		29	G	27.11	6	G	34.12
β Centauri S.P.			Dec. 2	F	24.10	7	J	33.86
Nov. 17	G	-149 44 40.29	6	G	26.68	12	G	32.88
Dec. 16	F	37.97	7	J	25.54	19	G	37.40
Lacaille 5836 S.P.			γ Trianguli Aust.			β Apodis S.P.		
Nov. 28	J	-155 5 26.32	Nov. 22	G	158 11 44.26	Dec. 12	G	-167 14 23.70
29	G	28.39		23	G				45.12
Dec. 8	G	24.86	24	G	44.27	α Trianguli Aust.		
12	G	24.35	29	F	45.11	Dec. 11	G	158 47 3.17
14	G	18.57	γ Trianguli Aust. S.P.			13	G	2.51
δ Octantis S.P.			Nov. 17	G	-158 11 47.79	14	G	0.84
Nov. 24	J	-173 4 8.10		22	G	45.50	18	G	1.31
Dec. 16	F	7.67	23	G	42.79	19	G	2.05
α^2 Centauri.			25	F	48.95	22	G	2.77
Nov. 16	G	150 17 52.80	28	J	49.62	23	G	2.70
17	G	53.15	29	G	48.05	α Trianguli Aust. S.P.		
21	G	51.94	Dec. 1	J	48.93	Dec. 12	G	-158 47 7.42
22	G	52.33		2	F				49.23	19	G	5.13
23	G	52.59	6	G	47.96	23	G	9.06
24	G	52.05	7	J	45.64	27	G	4.81
α^2 Centauri S.P.			19	G	46.43	Lacaille 6998 S.P.		
Nov. 22	G	-150 17 48.17				Dec. 19	G	-154 59 32.27
23	G	51.09						
24	J	60.56						
25	F	53.84						

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

RIGHT ASCENSIONS AND NORTH POLAR DISTANCES

OF THE

S U N ,

(CORRECTED FOR DISCORDANCE OF DIRECT AND REFLEXION OBSERVATIONS.)

AND

OCCULTATIONS OF STARS,

OBSERVED IN 1871.

50 *Right Ascensions and N.P.D. of the Sun's Centre.*

Cape Mean Solar Time of Transit of Centre.					Observer.	Observed R.A.			Observed N.P.D.		
	d	h	m	s			h	m	s	°	'
January	4	0	5	6.7	J	..	.	..	112	45	0.39
	5	0	5	33.7	J	..	.	..	112	38	31.41
	6	0	6	0.3	J	..	.	..	112	31	36.57
	7	0	6	26.4	J	..	.	..	112	24	14.65
March	11	0	10	13.5	G	23	24	54.15	93	47	14.28
	13	0	9	40.8	G	..	.	..	93	0	4.44
	14	0	9	24.1	G	23	35	54.52	92	36	26.29
	15	0	9	7.1	G	..	.	..	92	12	46.28
	16	0	8	50.0	J	..	.	..	91	49	6.63
	18	0	8	15.0	G	..	.	..	91	1	42.63
	20	0	7	39.4	J	..	.	..	90	14	16.67
	21	0	7	21.4	J	0	1	27.12	89	50	33.57
	22	0	7	3.3	J	..	.	..	89	26	55.20
	23	0	6	45.0	J	0	8	43.71	89	3	13.54
	24	0	6	26.7	J	0	12	21.91	88	39	34.82
	25	0	6	8.4	J	0	16	0.01	88	15	59.01
	27	0	5	31.5	J	0	23	16.15	87	28	56.18
	28	0	5	13.0	J	..	.	..	87	5	29.01
April	1	0	3	59.5	F	..	.	..	85	32	17.65
	3	0	3	23.2	G	..	.	..	84	46	8.97
	4	0	3	5.2	J	..	.	..	84	23	12.78
June	7	23	58	37.8	J	..	.	..	67	9	57.68
	9	23	59	0.8	G	..	.	..	66	59	42.72
	12	23	59	37.3	G	5	24	50.54	66	47	25.77
	15	0	0	2.4	G	5	33	8.95	66	41	16.12
	17	0	0	28.2	G	5	41	27.97	66	36	46.01
	20	0	1	7.5	G	5	53	56.93	66	33	4.61
	21	0	1	20.6	G	5	58	6.44	66	32	40.56
	22	0	1	33.6	G	6	2	16.28	66	32	41.94
	23	0	1	46.6	G	6	6	25.89	66	33	7.50
	24	0	1	59.6	G	6	10	35.25	66	33	58.46
	28	0	2	50.0	G	6	27	12.19	66	41	27.76
	29	0	3	2.2	G	..	.	..	66	44	22.77
	30	0	3	14.2	G	6	35	29.52	66	47	41.76
September	5	23	58	21.6	G	..	.	..	83	27	29.44
	7	23	57	41.3	G	..	.	..	84	12	26.46
	10	23	56	39.6	F	..	.	..	85	20	34.00

Cape Mean Solar Time of Transit of Centre.	Observer.	Observed R.A.	Observed N.P.D.
<div>d h m s</div> <div>December 15 23 55 42.9</div> <div>17 23 56 41.8</div> <div>19 23 57 41.3</div> <div>20 23 58 11.2</div> <div>21 23 58 41.1</div> <div>22 23 59 11.0</div> <div>27 0 1 10.3</div> <div>28 0 1 39.8</div>	<div>C</div> <div>G</div> <div>G</div> <div>G</div> <div>G</div> <div>G</div> <div>C</div> <div>C</div>	<div>h m s</div> <div>17 34 14.57</div> <div>17 43 6.94</div> <div>.. . ..</div> <div>17 56 26.34</div> <div>18 0 52.96</div> <div>18 5 19.40</div> <div>18 23 5.14</div> <div>18 27 31.40</div>	<div>° ' "</div> <div>113 19 26.50</div> <div>113 23 58.81</div> <div>113 26 37.79</div> <div>113 27 13.68</div> <div>113 27 23.18</div> <div>113 27 2.23</div> <div>113 20 59.87</div> <div>113 18 20.15</div>
<div>April 1: Dec. 15: The North Limb alone observed.</div> <div>Sept. 10: Dec. 19: The South Limb alone observed.</div>			

Winnecke's Comet.

Cape Mean Time.	Observed R.A.	Observed N.P.D.	Parallax Factor in time or arc.	Star of Comparison.
1871 d h m s	h m s	o / "		
Aug. 5 7 59 49.3	10 11 47.87	.. . ..	+ 0.0923	1
7 59 49.3	10 11 48.16	.. . ..	+ 0.0923	2
8 9 5.1	.. . ..	143 53 53.80	+ 0.4818	1
8 9 6.1	.. . ..	143 53 53.02	+ 0.4818	2
8 18 1.3	10 11 56.07	.. . ..	+ 0.0905	1
8 18 1.3	10 11 56.16	.. . ..	+ 0.0905	2

Tuttle's Comet.

Cape Mean Time.	Observed R.A.	Observed N.P.D.	Parallax Factor in time or arc.	Star of Comparison.
1871 d h m s	h m s	o / "		
Dec. 15 13 45 53.7	.. . ..	140 5 8.18	+ 0.0897	1
14 1 30.8	11 43 51.26	.. . ..	+ 0.0757	1
14 13 34.7	.. . ..	140 6 34.45	+ 0.0212	1
19 14 3 31.1	.. . ..	144 49 32.36	- 0.0165	3
14 15 30.3	11 57 24.48	.. . ..	+ 0.0809	3
14 27 57.1	11 57 26.57	.. . ..	+ 0.0778	2
14 41 25.9	.. . ..	144 51 17.80	- 0.1096	2
22 13 51 10.7	12 8 15.62	.. . ..	+ 0.0932	δ Crucis
14 0 38.1	.. . ..	147 59 13.39	- 0.0494	δ Crucis
26 14 21 15.4	12 24 3.24	.. . ..	+ 0.0966	5
14 41 39.1	.. . ..	151 45 34.74	- 0.2028	5
15 3 38.8	12 24 10.81	.. . ..	+ 0.0828	5
30 14 11 25.6	12 41 8.85	.. . ..	+ 0.1117	6
14 30 35.3	.. . ..	155 0 22.93	- 0.2120	6
15 20 39.3	12 41 22.48	.. . ..	+ 0.0862	6
1872 Jan. 8 14 29 54.8	13 25 30.99	.. . ..	+ 0.1396	7
14 44 0.4	.. . ..	160 47 47.05	- 0.2952	7
14 57 21.3	13 25 38.01	.. . ..	+ 0.1273	7
16 13 3 14.6	14 11 15.89	.. . ..	+ 0.2037	8
13 17 48.4	.. . ..	164 25 4.44	- 0.0238	8
13 33 42.1	14 11 23.89	.. . ..	+ 0.1978	8
30 10 59 55.5	15 41 0.03	.. . ..	+ 0.2332	9
11 12 17.4	.. . ..	168 13 48.70	+ 0.4915	9
11 24 13.6	15 41 6.50	.. . ..	+ 0.2465	9

54 *Comets observed with the 8½-feet Equatoreal,*

Tempel's Comet.

Cape Mean Time.	Observed R.A.	Observed N.P.D.	Parallax Factor in time or arc.	Star of Comparison.
1872 d h m s	h m s	° ' "		
Jan. 31 9 46 38.0	15 26 15.62	.. . ..	+ 0.3236	3
9 58 29.6	.. . ..	173 0 14.51	+ 0.6137	3
10 9 9.1	15 25 39.11	.. . ..	+ 0.3546	3
Feb. 13 12 34 22.2	.. . ..	159 3 48.17	- 0.5007	4
12 46 17.7	8 24 49.99	.. . ..	+ 0.0743	4
12 55 55.8	.. . ..	159 1 52.01	- 0.4655	4
13 6 21.4	8 24 44.46	.. . ..	+ 0.0858	4
13 27 49.6	.. . ..	158 59 9.36	- 0.4028	4
17 12 33 0.8	.. . ..	150 2 58.86	- 0.3144	5
12 58 23.2	8 3 3.74	.. . ..	+ 0.0728	5
13 36 44.0	.. . ..	149 56 43.92	+ 0.1772	5

Observed with the Transit-circle—Tempel's Comet S.P.

Cape Mean Time.	Observed R.A.	Observed N.P.D.
1872 d h m s	h m s	° ' "
Jan. 19 10 9 54.4	18 4 10.22	161 34 33.42
24 9 22 43.0	17 36 33.90	166 13 56.60

Jan. 24. Moon nearly full: Observation uncertain.

The Mean Places of the comparison Stars will be found in the Catalogues for 1872 and 1873.

None of the Comet Observations are corrected for parallax.

RESULTS
OF
ASTRONOMICAL OBSERVATIONS

MADE AT THE
ROYAL OBSERVATORY,
CAPE OF GOOD HOPE,

IN THE
YEAR 1872,

UNDER THE DIRECTION OF
EDWARD JAMES STONE, M.A., F.R.S., F.R.A.S.

C. M. DE LA SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG,
HONORARY FELLOW OF QUEENS' COLLEGE, CAMBRIDGE,

AND
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ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

T A B L E S

OF

INSTRUMENTAL CORRECTIONS,
1872.

TABLE I.

Collimation Errors of the Transit-circle during the Year 1872.

Date.	Error of Collimation.	Date.	Error of Collimation.	Date.	Error of Collimation.
	s		s		s
Jan. 18 — 21	- 0.044	Apr. 26—May 1	+ 0.073	Sept. 13 — 19	+ 0.099
22 — 28	- 0.042	May 2 — 8	+ 0.063	20 — 25	+ 0.082
29 — 31	- 0.047	9 — 14	+ 0.076	Sept. 26—Oct. 2	+ 0.086
Feb. 1 — 15	- 0.044	15 — 23	+ 0.082	Oct. 3 — 9	+ 0.081
16 — 23	- 0.050	24 — 29	+ 0.078	11 — 16	+ 0.092
		May 30—June 4	+ 0.080	17 — 20	+ 0.084
Mar. 2 — 12	+ 0.043	June 25 — 26	+ 0.082	21 — 24	+ 0.091
13	+ 0.055	June 27—July 3	+ 0.098	Oct. 25—Nov. 6	+ 0.084
14 — 19	+ 0.071	July 4 — 17	+ 0.092	Nov. 7 — 12	+ 0.080
20 — 23	+ 0.057	18 — 21	+ 0.100	13 — 20	+ 0.076
24 — 26	+ 0.063	Aug. 1 — 3	+ 0.091	21	+ 0.066
27 — 30	+ 0.060	8 — 14	+ 0.102	Nov. 29—Dec. 11	+ 0.070
Apr. 1 — 3	+ 0.065	15 — 21	+ 0.107	Dec. 12 — 18	+ 0.074
4 — 10	+ 0.069	22 — 27	+ 0.090	19 — 24	+ 0.070
11 — 17	+ 0.062	Sept. 3 — 5	+ 0.071	30 — 31	+ 0.067
18 — 25	+ 0.070	6 — 10	+ 0.087		

The reading of the Collimation Micrometer was 30th. 200 throughout the year.

TABLE II.

Level and Azimuthal Errors of the Transit-circle, 1872.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.		Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.					Observed.	Adopted.	
January 4	C	-1'401				March 14	C	+0'392	+0'392	
8	I	-1'439				14	C	+0'401		
9	I	-1'479				14	C	+0'388	+0'394	+0'186
12	I	-1'512	-1'512			15	I	+0'378	+0'378	
14			-1'569	+1'032		18	G	+0'319	+0'319	+0'147
15			-1'569			19	C	+0'304	+0'312	
18	G	-1'626	-1'626	+1'026		19	C	+0'320		
19			-1'626			20	I	+0'299	+0'299	+0'113
24	C	-1'728	-1'728	+0'972		21	C	+0'287		
26	I	-1'750				21	C	+0'285	+0'286	
29						22	G	+0'270	+0'270	
30	G	-1'776	-1'776			23			+0'270	
31	I	-1'766	-1'766	+0'918		25	G	+0'290	+0'290	+0'139
February 1						27	I	+0'325		
6	I	-1'827				28	G	+0'329	+0'329	+0'164
8	C	-1'824		+0'791		28	G	+0'328	+0'328	
13			-1'824	+0'720		April 2	G	+0'342	+0'342	
16	W	-1'838	-1'838	+0'656		4			+0'371	+0'074
20	I	-1'907				5	G	+0'371	+0'371	
23	I	-1'935				6	C	+0'377		
March 4	W	+0'445	+0'445			7			+0'354	+0'108
5	C	+0'439	+0'439			8	C	+0'354		
6	C	+0'439		+0'249		9	I	+0'349	+0'349	
6	I	+0'437	+0'437			9	I	+0'351	+0'351	
7	C	+0'438	+0'438			9			+0'350	+0'062
11	C	+0'424				10	G	+0'350	+0'350	
12	I	+0'428				10	G	+0'333	+0'333	
13	C	+0'431				11	C	+0'312	+0'312	
13	G	+0'410	+0'410			11	C	+0'317	+0'317	+0'063
13	G	+0'401		+0'186		12	I	+0'300	+0'300	

February 26—March 2.—The Instrument with its Y-bearings was raised from the foundation plates, and the six sheets of tinfoil under the west bearing were replaced by 29 thinner sheets.

TABLE II.—Continued.

Level and Azimuthal Errors of the Transit-circle, 1872.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
August	2	C	+1'163	+1'163	October	8	C	+1'457	+0'391
	3			+0'383		9	G	+1'455	+0'381
	5	G	+1'193	+0'390		13		+1'455	+0'450
	8	G	+1'244	+0'400		15	G	+1'442	+0'512
	9	I	+1'247	+0'515		16	I	+1'449	+0'531
	15		+1'247	+0'550		17	C	+1'447	+0'384
	16	C	+1'208	+0'586		18			
	17	G	+1'212	+0'487		20	G	+1'457	
	20	C	+1'253	+0'529		21	C	+1'486	+0'386
	21	G	+1'250	+0'543		22	I	+1'495	+0'422
	22	I	+1'253	+0'584		23	G	+1'508	+0'397
	27	C	+1'264	+0'463		24	C	+1'493	+0'369
September	3	G	+1'217	+0'491		25	I	+1'505	+0'369
	4	C	+1'223	+0'519		29	G	+1'530	+0'399
	9	C	+1'246			30	I	+1'547	+0'269
	10		+1'246	+0'586		30	C	+1'537	
	13	I	+1'249		November	4	C	+1'571	+0'355
	18	G	+1'297	+0'482		5		+1'571	
	19	C	+1'284			6	I	+1'561	+0'253
	19	I	+1'280	+0'472		8	I	+1'577	
	20		+1'280	+0'449		8	C	+1'582	+0'316
	24	C	+1'287	+0'422		8	I	+1'573	
	25	G	+1'284			11	C	+1'568	+0'280
	26	I	+1'296	+0'447		12		+1'568	+0'318
	27	C	+1'315			15	G	+1'587	+0'355
October	1	G	+1'388	+0'434		16			+0'327
	2		+1'388	+0'363		19	G	+1'571	
	3	G	+1'313	+0'292		20	I	+1'574	+0'300
						21			
					December	4	G	+1'580	+0'355

TABLE II.—*Concluded.**Level and Azimuthal Errors of the Transit-circle, 1872.*

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
December 6	C	+1°573	+1°573	+0°411	December 18	C	+1°562		+0°667
10	G	+1°568	+1°568	+0°586	18	G	+1°545	+1°545	
11	C	+1°572			19	C	+1°537	+1°537	+0°661
12		+1°565	+1°565	+0°663	22	G	+1°525		
13	G	+1°560	+1°560	+0°617	24	I	+1°546	+1°546	+0°892
17	C	+1°546	+1°546		30	G	+1°528	+1°528	+0°835
					31	I	+1°504	+1°504	+0°734

TABLE III.

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Error of Azimuth.	How determined.
1872.		
January 17	+ 0° 956	Meridian Mark.
18 } 19 }	+ 1° 026	Four Consecutive Transits of β Hydri.
29 } 31 }	+ 0° 918	Five Consecutive Transits of β Hydri.
February 12 } 13 }	+ 0° 720	Three Consecutive Transits of β Hydri.
23	+ 0° 595	Meridian Mark.
March 4 } 7 }	+ 0° 249	Six Consecutive Transits of β Hydri.
8	+ 0° 220	Meridian Mark.
13 } 15 }	+ 0° 186	Four Consecutive Transits of β Hydri.
17	+ 0° 125	Meridian Mark.
18	+ 0° 147	β Hydri and 6 Cancr.
19	+ 0° 077	Meridian Mark.
20 } 21 }	+ 0° 113	Three Consecutive Transits of β Hydri.
27	+ 0° 069	Meridian Mark.
27 } 28 }	+ 0° 164	Two Consecutive Transits of β Hydri.
April 4	+ 0° 048	Meridian Mark.
4 } 5 }	+ 0° 074	Four Consecutive Transits of β Hydri.
7	+ 0° 060	Meridian Mark.
7 } 8 }	+ 0° 108	Two Consecutive Transits of β Hydri.
9 } 11 }	+ 0° 059	Six Consecutive Transits of γ Hydri.
9 } 11 }	+ 0° 066	Six Consecutive Transits of β Hydri.
16 } 19 }	+ 0° 089	Seven Consecutive Transits of β Hydri.
17	+ 0° 082	Meridian Mark.
19	— 0° 004	"
22	— 0° 050	"
22 } 23 }	+ 0° 036	Three Consecutive Transits of β Hydri.

February 26—March 2. The instrument with its Y-bearings was raised from the foundation plates, and the six sheets of tinfoil under the west bearing were replaced by 29 thinner sheets.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Error of Azimuth.	How determined.
1872.	s	
April 26 } 27 }	+ 0.097	Two Consecutive Transits of β Hydri.
May 30 } 3 }	+ 0.054	Eight Consecutive Transits of β Hydri.
5 } 6 }	+ 0.025	Three Consecutive Transits of β Hydri.
15	— 0.056	Meridian Mark.
16	— 0.071	"
16	— 0.077	"
18	— 0.139	"
22	— 0.328	β Hydri S.P. and θ Virginis.
24	— 0.425	Meridian Mark.
24 } 25 }	— 0.400	Two Consecutive Transits of β Hydri.
26 } 27 }	— 0.402	Two Consecutive Transits of γ Hydri.
29	— 0.493	Meridian Mark.
31	— 0.499	"
31	— 0.542	"
June 2 } 4 }	— 0.511	Four Consecutive Transits of β Hydri.
5	— 0.595	Meridian Mark.
5	— 0.632	"
6	— 0.600	"
14	— 0.780	"
20	— 0.308	"
26	+ 0.109	Two Consecutive Transits of β Hydri.
28 } 30 }	+ 0.230	Three Consecutive Transits of γ Hydri.
July 1	+ 0.192	Meridian Mark.
3	+ 0.167	"
3	+ 0.417	β Hydri S.P. and β Corvi.
4 } 5 }	+ 0.350	Three Consecutive Transits of β Hydri.
10	+ 0.257	Meridian Mark.
12	+ 0.271	"
12	+ 0.384	Two Consecutive Transit of β_1 Hydri.
14	+ 0.264	Meridian Mark.
15	+ 0.306	"
18	+ 0.340	Two Consecutive Transits of γ Hydri.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Error of Azimuth.	How determined.
1872.	s	
July		
19	+ 0° 339	σ Octantis and θ Ophiuchi.
20	+ 0° 398	Two Consecutive Transits of β Hydri.
30	+ 0° 270	Meridian Mark.
31	+ 0° 281	"
August		
2	+ 0° 445	σ Octantis and ζ Aquilæ.
2	+ 0° 394	Two Consecutive Transits of γ Hydri.
3	+ 0° 383	σ Octantis and ζ Aquilæ.
8	+ 0° 400	σ Octantis and ζ Aquilæ.
9	+ 0° 515	σ Octantis and κ Ophiuchi.
10	+ 0° 295	Meridian Mark.
10	+ 0° 311	"
10	+ 0° 290	"
16	+ 0° 586	σ Octantis and μ Herculis.
17	+ 0° 487	σ Octantis and μ Sagittarii.
20	+ 0° 529	σ Octantis and α Lyræ.
21	+ 0° 543	σ Octantis and μ Sagittarii.
22	+ 0° 243	Meridian Mark.
22	+ 0° 334	"
22	+ 0° 584	σ Octantis and μ Sagittarii.
23	+ 0° 391	Meridian Mark.
27	+ 0° 463	σ Octantis and μ Sagittarii.
29	+ 0° 414	Meridian Mark.
September		
3	+ 0° 554	Brisbane 6058 and ζ Aquilæ.
3	+ 0° 427	Lacaille 7751 and ζ Aquilæ.
4	+ 0° 519	Brisbane 6058 and ζ Aquilæ.
10	+ 0° 586	σ Octantis and ζ Aquilæ.
11	+ 0° 338	Meridian Mark.
13	+ 0° 604	σ Octantis and δ Aquilæ.
13	+ 0° 570	Lacaille 7751 and α Aquilæ.
18	+ 0° 460	A Octantis S.P. and ρ Capricorni.
18	+ 0° 503	B Octantis and β Aquarii.
19	+ 0° 472	Lacaille 7751 and α Aquilæ.
19	+ 0° 624	B Octantis and β Aquarii.
20	+ 0° 464	A Octantis S.P. and γ Aquilæ.
20	+ 0° 484	B Octantis and β Aquarii.
20	+ 0° 449	Two Consecutive Transits of σ Octantis.
24	+ 0° 317	Meridian Mark.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Error of Azimuth.	How determined.
1872.	s	
September 24	+ 0.482	A Octantis S.P. and δ Aquilæ.
24	+ 0.457	B Octantis and δ Aquilæ.
25	+ 0.422	Two Consecutive Transits of σ Octantis.
25	+ 0.477	A Octantis S.P. and h^2 Sagittarii.
25	+ 0.504	B Octantis and β Aquarii.
25	+ 0.373	C Octantis and β Aquarii.
26	+ 0.441	A Octantis S.P. and ρ Capricorni.
26	+ 0.483	τ Octantis and κ Piscium.
26	+ 0.416	σ Octantis S.P. and α Canis Majoris.
27	+ 0.448	A Octantis S.P. and δ Aquilæ.
October 1	+ 0.488	A Octantis S.P. and β Aquilæ.
1	+ 0.406	B Octantis and β Aquarii.
1	+ 0.409	C Octantis and α Aquarii.
3	+ 0.269	A Octantis S.P. and ρ Capricorni.
3	+ 0.315	B Octantis and β Aquarii.
7	+ 0.320	Meridian Mark.
8	+ 0.392	A Octantis S.P. and ζ Cygni.
8	+ 0.390	B Octantis and 16 Pegasi.
9	+ 0.442	B Octantis and β Aquarii.
9	+ 0.320	C Octantis and ϵ Pegasi.
15	+ 0.512	B Octantis and β Aquarii.
16	+ 0.643	B Octantis and β Aquarii.
16	+ 0.496	Lacaille 9563 and κ Piscium.
17	+ 0.388	B Octantis and ζ Cygni.
17	+ 0.380	C Octantis and α Piscis Australis.
21	+ 0.386	τ Octantis and γ Piscium.
22	+ 0.475	C Octantis and α Aquarii.
22	+ 0.368	Three Consecutive Transits of β Hydri.
23	+ 0.346	C Octantis and η Aquarii.
23	+ 0.439	Lacaille 9563 and Piscium.
23	+ 0.407	σ Octantis S.P. and α Orionis.
24 } 25 }	+ 0.369	Three Consecutive Transits of β Hydri.
29	+ 0.351	Lacaille 9123 and α Pegasi.
29	+ 0.456	Lacaille 9563 and κ Piscium
29	+ 0.389	β Hydri and 12 Ceti.
30	+ 0.269	β Hydri and 12 Ceti.

TABLE III.—*Concluded.*

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Err or of Azimuth.	How determined.
1872.	s	
October 31	+ 0.324	β Hydri and 12 Ceti.
November 4	+ 0.373	τ Octantis and κ Piscium.
4 } 5 }	+ 0.381	Three Consecutive Transits of β Hydri.
6	+ 0.253	β Hydri and 12 Ceti.
8	+ 0.316	β Hydri and 12 Ceti.
11	+ 0.280	β Hydri and 12 Ceti.
15 } 16 }	+ 0.355	Three Consecutive Transits of β Hydri.
19 } 20 }	+ 0.299	Three Consecutive Transits of β Hydri.
December 6	+ 0.434	Lacaille 760 and ξ^2 Ceti.
6	+ 0.388	Lacaille 1029 and δ Arietis.
10	+ 0.481	β Hydri and 12 Ceti.
10	+ 0.691	Lacaille 760 and 67 Ceti.
12	+ 0.650	β Hydri and β Ceti.
12	+ 0.676	Lacaille 1029 and δ Arietis.
13	+ 0.617	Lacaille 634 and ν Piscium.
17	+ 0.753	Lacaille 760 and 67 Ceti.
17	+ 0.647	Lacaille 1029 ξ^2 Ceti.
17 } 18 }	+ 0.601	Three Consecutive Transits of β Hydri.
19	+ 0.661	Z Octantis S.P. and ξ^2 Ceti.
24	+ 0.892	Lacaille 1029 and α Ceti.
30	+ 0.835	σ Octantis S.P. and α Orionis.
31	+ 0.734	σ Octantis S.P. and γ Geminorum.

TABLE IV.

Rates of the Transit-clock used in the Reduction of the Observations, 1872.

Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.
	s		s		s		s
Jan. 18	-1'37	May 1	1'98	Aug. 22	1'25	Oct. 22	+0'38
24	1'46	2	2'15	27	1'32	23	0'19
29	1'52	3	2'30	Sept. 3	1'41	24	0'39
30	1'51	5	2'28	4	1'46	25	0'54
Feb. 12	1'59	6	-2'32	10	1'41	29	0'58
16	-1'46			13	+1'39	30	0'46
		24	-0'48			31	0'38
Mar. 4	-2'21	27	0'34	18	-0'57	Nov. 4	0'50
5	2'26	June 2	0'39	19	0'68	5	0'76
6	2'20	3	0'21	20	0'75	6	0'96
13	2'26	4	0'14	24	0'58	7	1'17
14	2'32	26	0'32	25	0'68	8	1'31
18	2'29	29	0'09	26	0'77	11	1'07
19	2'31	30	0'14	27	-0'81	12	1'13
20	2'36	July 3	0'22			15	1'16
21	2'30	4	0'20	Oct. 1	-1'17	16	1'19
23	2'24	5	0'13	2	-1'06	19	1'24
28	2'19	12	0'11			20	1'22
Apr. 4	2'21	18	0'16	3	+0'18	21	1'34
5	2'21	19	0'20	8	0'62	Dec. 4	1'50
8	2'16	20	-0'21	9	0'72	6	1'46
9	2'19			11	0'83	10	1'42
11	2'23	Aug. 1	+0'07	13	1'05	12	1'52
17	2'37	2	0'16	15	1'32	13	1'50
18	2'32	3	0'20	16	1'65	17	+1'36
19	2'31	8	0'16	17	+1'83		
22	2'27	9	0'17			19	-0'87
26	2'25	17	1'07	18	-0'90	24	-0'48
27	2'20	20	1'24			30	0'00
30	2'03	21	1'28	21	+0'50		

May 16, 22, Sept. 14, Oct. 2, 17, 21, clock adjusted for rate.

Sept. 29, clock undergoing experiments.

Dec. 18, clock cleaned.

TABLE V.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1872.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Jan. 8	I	⁰ 348	^r 4·838	Mar. 21	I	⁰ 326	^r 4·835	Apr. 12	G	⁰ 317	^r 4·830
9	I	41	4·833		C	24	4·822	15	C	316	4·825
	I	180	4·833		C	206	4·827		G	180	4·827
	I	346	4·829		C	28	4·826	17	C	316	4·826
12	G	347	4·825	22	G	157	4·824	18	I	315	4·830
14	G	347	4·830	23	I	325	4·833	19	C	315	4·826
18	G	347	4·829	25	C	324	4·830		G	180	4·831
24	C	70	4·835		G	180	4·828		G	340	4·821
30	G	348	4·831	27	I	341	4·829		G	226	4·825
31	G	348	4·833	28	C	323	4·824		G	155	4·819
Feb. 16	W	35	4·828		G	180	4·833	20	I	314	4·831
Mar. 4	W	27	4·828	Apr. 2	G	20	4·820		C	156	4·827
5	C	24	4·832		C	321	4·830	22	C	314	4·824
6	C	24	4·825	5	G	180	4·825		G	180	4·829
	I	180	4·833		C	320	4·828	23	C	313	4·833
7	C	24	4·833		G	220	4·829	27	G	180	4·832
11	C	24	4·827		G	325	4·821	29	I	311	4·836
13	G	26	4·835	6	C	24	4·831		G	180	4·830
	G	30	4·832	8	I	321	4·828	30	I	311	4·830
14	C	24	4·825		C	24	4·822		C	180	4·831
	C	316	4·829		C	334	4·819	May 1	C	311	4·830
	C	28	4·833	9	C	319	4·825	2	C	311	4·832
15	I	24	4·829		I	24	4·830		G	180	4·829
18	G	35	4·827		I	223	4·834		G	180	4·828
	G	204	4·826	10	I	180	4·832	3	I	310	4·829
19	C	180	4·823		C	318	4·824	4	I	310	4·830
	C	334	4·826		G	180	4·830		G	180	4·832
	C	37	4·827		G	20	4·825	6	C	309	4·824
20	I	180	4·835	11	G	41	4·832		G	180	4·829
	I	31	4·829		I	156	4·828		G	180	4·827
					C	206	4·829	7	C	309	4·827
					C	323	4·830				

TABLE V.—*Concluded.*

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of (Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1872.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
May 8	I	309	4.835	Aug. 8	G	297	4.821	Oct. 22	I	46	4.824
	C	180	4.828		I	41	4.826		G	45	4.830
13	C	308	4.823		G	47	4.831		C	45	4.830
	G	180	4.824	17	C	44	4.830	24	I	44	4.837
16	C	307	4.826	20	G	46	4.828	25	G	46	4.830
	G	180	4.822	21	I	44	4.830	29	G	43	4.824
22	I	306	4.827	22	C	41	4.831		I	51	4.838
27	I	305	4.831	27	G	42	4.830		C	26	4.831
	C	26	4.832	Sept. 3	C	44	4.821	Nov. 6	I	42	4.828
28	C	305	4.822		C	303	4.828		I	41	4.822
29	G	180	4.821		I	35	4.836	8	G	41	4.829
30	I	304	4.831	13	G	42	4.829	15	G	47	4.831
June 3	I	304	4.827	18	C	154	4.824	19	I	47	4.835
	C	334	4.826	19	C	45	4.823	20	G	43	4.825
	C	81	4.827	24	G	43	4.826		G	41	4.828
4	G	180	4.817	25	I	45	4.833	6	C	52	4.836
	G	81	4.824	26	C	58	4.821		G	70	4.823
	G	323	4.818	27	G	47	4.832		G	42	4.826
19	C	180	4.824	Oct. 1	I	204	4.828	11	C	43	4.832
29	C	45	4.832		C	327	4.832	12	I	68	4.828
July 3	C	46	4.824	3	G	56	4.828	13	G	46	4.819
	C	44	4.819	8	G	56	4.829	17	C	41	4.830
	C	45	4.831	9	I	56	4.826		C	350	4.823
12	C	41	4.817	15	C	26	4.833		G	42	4.826
18	C	180	4.824	16	C	46	4.823	19	C	41	4.821
	C	46	4.827	17	C	46	4.825	30	G	46	4.825
Aug. 2	C	41	4.830	21	C	46	4.825	31	I	47	4.831
8	C	47	4.829								

TABLE VI.

Nadir Points of the Transit-circle, 1872.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Jan. 8 1	Wire....	13' 82	13' 82	I	Mar. 27 10	Wire....	17' 47	17' 47	I
12	..		14' 71		28 2	..	16' 63	16' 63	G
18 22	..	15' 60	15' 60	G	28 12	..	16' 47	16' 47	G.
19	..		15' 77		Apr. 2	..	14' 10	14' 10	G
24 23	..	15' 77		C	5 12	..	13' 62	13' 62	G
30 23	..	15' 71		G	6 1	..	13' 28	13' 28	C
Feb. 1			15' 71		8 2	..	13' 42	13' 42	C
9 0	..	16' 55	16' 55	C	8	..	13' 80	13' 80	C
16 12	..	15' 96	15' 96	W	9 1	..	13' 24	13' 24	I
Mar. 4 10	..	20' 54	20' 54	W	9 13	..	13' 53	13' 53	I
5	..	20' 89	20' 89	C	10 2	..	13' 77	13' 77	G
6 2	..	21' 25	21' 25	C	10 13	..	13' 70	13' 70	G
6 10	..	20' 57		I	11	..	13' 89	13' 89	C
7 2	..	20' 82	20' 82	C	11 11	..	14' 49	14' 49	C
11	..	20' 38	20' 38	C	12	..		14' 49	
13 2	..	20' 20	20' 20	C	15 1	..	14' 81	14' 81	G
13 11	..	19' 85	19' 85	G	17 1	..	10' 49	10' 49	I
14 2	..	20' 37	20' 37	C	18	..	14' 15	14' 15	C
14 10	..	20' 27	20' 35	C	19 2	..	14' 25	14' 25	G
14 14	..	20' 43		C	19 11	..	14' 63	14' 63	G
15 2	..	20' 12	20' 12	I	20 0	..	14' 51	14' 51	C
18 12	..	19' 95	19' 95	G	22 1	..	14' 99	14' 99	G
19 1	..	20' 22	20' 22	C	23 1	..	14' 72		I
19 11	..	20' 19	20' 19	C	27 1	..	15' 73		G
20 11	..	19' 49	19' 49	I	29 1	..	15' 73	15' 73	G
21 2	..	19' 92	19' 92	C	30 2	..	16' 02	16' 02	C
21 11	..	20' 32	20' 32	C	May 1 1	..	15' 46	15' 46	I
22 1	..	20' 41	20' 41	G	2 0	..	15' 97	15' 97	G
23	..		20' 37		2 15	..	16' 17		G
25 22	..	19' 16	19' 16	G	3 1	..	16' 14	16' 14	C
					4 0	..	16' 40	16' 40	G
					6 0	..	16' 97	16' 97	G
					6 14	..	17' 04		
					7	..	17' 08	17' 08	I

TABLE VI.—*Continued.**Nadir Points of the Transit-circle, 1872.*

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h	Wire....	"	"	C	d h	Wire....	"	"	C
May 8		16.43	16.43	C	Aug. 20		3.97	3.97	C
*					21 12	..	3.60	3.60	G
13 2	..	10.92	10.92	G	22 10	..	3.19	3.19	I
16 1	..	9.62	9.62	G	27	..	2.92	2.92	C
22	..	3.11	3.11	C	Sept. 3	..	2.80	2.80	G
27 2	..	0.95	0.95	C	4 10	..	2.58	2.58	C
27 12	..	0.91	0.91	C	13 11	..	1.81	1.81	I
28 0	..	1.82	1.82	I	18 10	..	1.85	1.85	G
29 2	..	0.74		G	19 3	..	1.83	1.83	C
30	..		0.74		19 10	..	1.73	1.73	I
June 3 3	..	58.50	58.53	C	20	..	1.58	1.58	C
3 8	..	58.55		C	24 10	..	1.72	1.72	C
4 0	..	58.43	58.46	G	25 10	..	1.63	1.63	G
4 14	..	58.49		G	26 10	..	1.38	1.38	I
July 3	Wire....	7.40	7.40	C	27	..	1.56	1.56	C
5	..	7.71	7.71	C	Oct. 1 10	..	1.11	1.11	G
12 2	..	8.03	8.10	C	3 10	..	1.15	1.15	G
12 11	..	8.16		C	8 10	..	1.01	1.01	C
18 2	..	8.25	8.26	C	9 10	..	1.18	1.18	G
18 11	..	8.26		C	15 9	..	0.96	0.96	G
19	..	8.53	8.53	S	16 10	..	0.64	0.64	I
Aug. 2	..	8.27	8.27	C	17 2	..	0.80	0.80	C
3 10	..	8.60	8.60	S	17 10	..	0.69	0.69	C
8	..	7.25	7.25	C	21	..	0.66	0.66	C
9	..	7.40	7.40	I	22 11	..	0.36	0.36	I
16 22	..	5.39		C	23 11	..	0.84	0.84	G
17 9	..	4.88	4.88	G	24	..	0.39	0.39	C
					25 10	..	0.64	0.64	I
					29 11	..	0.63	0.63	G
					30	..		0.57	
					30 23	..	0.51		C
					Nov. 4	..	1.00	1.00	C

* The whole revolution micrometer was arbitrarily changed 2 rev. = 57''.096.

TABLE VI.—*Concluded.*

Nadir Points of the Transit-circle, 1872.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Nov. 6 11	Wire....	0.96	0.96	J	Dec. 12 8	Wire....	5.28	5.28	I
8 10	..	1.23	1.23	I	13 9	..	5.45	5.45	G
11	..	1.29	1.29	C	17 11	..	6.70	6.70	C
15 11	..	1.75	1.75	G	18 1	..	6.97	6.97	C
19	..	1.54	1.54	G	18 11	..	7.01	7.01	G
20 10	..	1.86	1.86	I	19	..	7.61	7.61	C
Dec. 4 11	..	3.81		G	24 11	..	9.18	9.18	I
6 11	..	4.13	4.13	C	30 9	..	9.86	9.86	G
10	..	4.30	4.30	G	31 11	..	9.70	9.70	I
11 9	..	4.71		C					

TABLE VII.

Separate Results of Direct and Reflexion Observations of Stars.

Day.		Object.	Circle Reading Direct.			Circle Reading Reflexion.		
			°	'	"	°	'	"
March	5	α Eridani.....	24	2	22.02	156	8	16.50
	6	α Eridani.....	24	2	22.54	156	8	16.93
	7	α Eridani.....	24	2	22.06	156	8	16.42
	11	α Eridani.....	24	2	20.91	156	8	18.05
	13	α Eridani.....	24	2	20.54	156	8	19.08
	14	α Eridani.....	24	2	20.59	156	8	18.99
	14	π Leonis.....	317	30	45.54	222	39	53.58
	15	α Eridani.....	24	2	19.78	156	8	17.24
	18	θ Virginis.....	331	1	12.55	209	9	26.76
	18	α Virginis.....	336	39	18.34	203	31	19.73
	18	β Centauri.....	25	53	56.19	154	16	39.85
	19	ϵ Hydræ.....	319	16	55.20	220	53	47.42
	19	α Hydræ.....	334	16	6.56	205	54	30.32
	19	τ Leonis.....	322	36	25.42	217	34	12.68
	19	θ Virginis.....	331	1	11.98	209	9	25.04
	21	α Eridani.....	24	2	17.09	156	8	20.87
	21	π Leonis.....	317	30	44.03	222	39	53.73
	21	d Leonis.....	321	51	49.53	218	18	48.81
	21	α Virginis.....	336	39	18.27	203	31	18.86
	27	α Hydræ.....	334	16	7.12	205	54	30.85
April	5	β Leonis.....	310	53	3.27	229	17	21.39
	5	η Virginis.....	326	7	12.62	214	3	11.66
	5	ζ Virginis.....	321	53	40.78	218	16	44.75
	6	α Eridani.....	24	2	4.64	156	8	18.94
	8	α Eridani.....	24	2	4.53	156	8	20.69
		α Hydræ.....	334	16	1.76	205	54	24.17
		π Leonis.....	317	30	39.23	222	39	48.68
		d Leonis.....	321	51	44.72	218	18	43.02
		v Leonis.....	326	16	54.66	213	53	29.88
	9	α Eridani.....	24	2	2.84	156	8	19.57
		δ Virginis.....	322	4	25.28	218	6	3.59
		θ Virginis.....	331	1	6.04	209	9	21.39
		α Virginis.....	336	39	14.21	203	31	12.80
		τ Virginis.....	324	0	3.16	216	10	21.92
	10	ζ Virginis.....	326	6	21.46	214	4	6.07
		β Centauri.....	25	53	57.09	154	16	27.82
		ξ^2 Libræ.....	337	3	9.78	203	7	15.32
	11	α Eridani.....	24	2	3.02	156	8	21.33

TABLE VII.—*Concluded.*

Separate Results of Direct and Reflexion Observations of Stars.

Day.		Object.	Circle Reading Direct.	Circle Reading Reflexion.
			° ' "	° ' "
April	11	π Leonis.....	317 30 35.97	222 39 49.71
		μ Hydræ.....	342 20 37.67	197 49 48.79
		τ Leonis.....	322 36 18.50	217 34 7.47
		d Leonis.....	321 51 42.62	218 18 43.93
		θ Virginis.....	331 1 5.90	209 9 20.33
		α Virginis.....	336 39 14.56	203 31 12.03
	19	δ Crateris.....	340 14 50.31	199 55 38.34
		ν Leonis.....	326 16 56.55	213 53 30.93
		β Leonis.....	310 53 4.63	229 17 24.87
		β Crucis.....	25 8 11.06	155 2 15.58
		α Eridani.....	24 2 1.54	156 8 26.02
May	27	β Centauri.....	25 54 58.71	154 17 3.15
		α ² Centauri.....	26 28 4.85	153 43 54.94
		α ¹ Centauri.....	26 27 56.94	153 44 4.97
		γ ¹ Libræ.....	342 26 28.80	197 45 31.16
June	3	β Orionis.....	334 31 26.67	205 40 29.07
	4	δ Aquilæ.....	323 19 2.14	216 52 56.20
		B.A.C. 6919.....	29 56 56.80	150 14 57.85
September	19	α ² Centauri.....	26 28 7.57	153 43 55.96
		α ¹ Centauri.....	26 27 59.18	153 44 4.21
October	3	ε Aquarii.....	336 8 0.65	204 4 1.32
		Lacaille 8858.....	22 28 30.75	157 43 29.94
	8	ε Pegasi.....	316 53 15.32	223 18 44.03
		α Aquarii.....	327 6 47.47	213 5 12.45
		η Aquarii.....	326 56 56.99	213 15 3.87
	9	α Pavonis.....	23 18 14.21	156 53 44.52
		ξ Aquarii.....	334 35 51.83	205 36 7.70
	15	ξ Aquarii.....	334 35 52.55	205 36 11.42
		Lacaille 9112.....	24 35 30.96	155 36 32.10
	17	β Centauri.....	25 54 50.57	154 17 10.97
		α ² Centauri.....	26 28 3.46	153 43 58.54
		α ¹ Centauri.....	26 27 51.37	153 44 7.30
	24	Lacaille 361.....	33 13 35.60	146 58 25.56
		ο Piscium.....	317 39 46.82	222 32 11.05
	30	β Centauri.....	25 54 47.48	154 17 13.23
November	11	α Eridani.....	24 2 41.38	156 9 19.29

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.	Error of Azimuth.	How determined.
1872.	s	
September 24	+ 0.482	A Octantis S.P. and δ Aquilæ.
24	+ 0.457	B Octantis and δ Aquilæ.
25	+ 0.422	Two Consecutive Transits of σ Octantis.
25	+ 0.477	A Octantis S.P. and h^2 Sagittarii.
25	+ 0.504	B Octantis and β Aquarii.
25	+ 0.373	C Octantis and β Aquarii.
26	+ 0.441	A Octantis S.P. and ρ Capricorni.
26	+ 0.483	τ Octantis and κ Piscium.
26	+ 0.416	σ Octantis S.P. and α Canis Majoris.
27	+ 0.448	A Octantis S.P. and δ Aquilæ.
October 1	+ 0.488	A Octantis S.P. and β Aquilæ.
1	+ 0.406	B Octantis and β Aquarii.
1	+ 0.409	C Octantis and α Aquarii.
3	+ 0.269	A Octantis S.P. and ρ Capricorni.
3	+ 0.315	B Octantis and β Aquarii.
7	+ 0.320	Meridian Mark.
8	+ 0.392	A Octantis S.P. and ζ Cygni.
8	+ 0.390	B Octantis and 16 Pegasi.
9	+ 0.442	B Octantis and β Aquarii.
9	+ 0.320	C Octantis and ϵ Pegasi.
15	+ 0.512	B Octantis and β Aquarii.
16	+ 0.643	B Octantis and β Aquarii.
16	+ 0.496	Lacaille 9563 and κ Piscium.
17	+ 0.388	B Octantis and ζ Cygni.
17	+ 0.380	C Octantis and α Piscis Australis.
21	+ 0.386	τ Octantis and γ Piscium.
22	+ 0.475	C Octantis and α Aquarii.
22	+ 0.368	Three Consecutive Transits of β Hydri.
23	+ 0.346	C Octantis and η Aquarii.
23	+ 0.439	Lacaille 9563 and Piscium.
23	+ 0.407	σ Octantis S.P. and α Orionis.
24 } 25 }	+ 0.369	Three Consecutive Transits of β Hydri.
29	+ 0.351	Lacaille 9123 and α Pegasi.
29	+ 0.456	Lacaille 9563 and κ Piscium
29	+ 0.389	β Hydri and 12 Ceti.
30	+ 0.269	β Hydri and 12 Ceti.

TABLE III.—*Concluded.*

Azimuthal Errors of the Transit-circle, observed in 1872.

Day of Observation.		Error of Azimuth.	How determined.
1872.			
October	31	+ 0° 324	β Hydri and 12 Ceti.
November	4	+ 0° 373	τ Octantis and κ Piscium.
	4 } 5 }	+ 0° 381	Three Consecutive Transits of β Hydri.
	6	+ 0° 253	β Hydri and 12 Ceti.
	8	+ 0° 316	β Hydri and 12 Ceti.
	11	+ 0° 280	β Hydri and 12 Ceti.
	15 } 16 }	+ 0° 355	Three Consecutive Transits of β Hydri.
	19 } 20 }	+ 0° 299	Three Consecutive Transits of β Hydri.
December	6	+ 0° 434	Lacaille 760 and ξ^2 Ceti.
	6	+ 0° 388	Lacaille 1029 and δ Arietis.
	10	+ 0° 481	β Hydri and 12 Ceti.
	10	+ 0° 691	Lacaille 760 and 67 Ceti.
	12	+ 0° 650	β Hydri and β Ceti.
	12	+ 0° 676	Lacaille 1029 and δ Arietis.
	13	+ 0° 617	Lacaille 634 and ν Piscium.
	17	+ 0° 753	Lacaille 760 and 67 Ceti.
	17	+ 0° 647	Lacaille 1029 ξ^2 Ceti.
	17 } 18 }	+ 0° 601	Three Consecutive Transits of β Hydri.
	19	+ 0° 661	Z Octantis S.P. and ξ^2 Ceti.
	24	+ 0° 892	Lacaille 1029 and α Ceti.
	30	+ 0° 835	σ Octantis S.P. and α Orionis.
	31	+ 0° 734	σ Octantis S.P. and γ Geminorum.

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 9736.			Lacaille 33.			β Hydri (<i>continued</i>).		
Oct. 29	G	o 1 43' 23	Nov. 15	G	o 11 6' 49	Apr. 8	C	S.P. o 18 59' 76
Nov. 6	I	43' 30	19	G	6' 65	9	I	S.P. 59' 39
15	G	43' 08	Lacaille 47.			9	G	59' 08
α Andromedæ.			Oct. 31	C	o 13 29' 74	10	G	S.P. 59' 10
May 1	G	o 1 46' 40	β Hydri.			10	C	59' 21
Oct. 24	C	46' 50	Jan. 18	G	o 18 58' 72	11	C	S.P. 59' 15
Lacaille 9750.			18	G	S.P. 59' 18	11	I	59' 40
Nov. 19	G	o 3 58' 71	19	C	59' 25	16	I	59' 35
20	I	58' 80	19	G	S.P. 58' 48	17	I	S.P. 59' 40
Lacaille 9765.			29	G	S.P. 58' 64	17	C	59' 37
Oct. 29	G	o 5 47' 89	30	G	58' 78	18	C	S.P. 59' 26
Nov. 4	C	48' 21	30	G	S.P. 58' 74	18	G	59' 18
15	G	48' 38	31	G	58' 87	19	G	S.P. 59' 31
γ Pegasi.			31	I	S.P. 59' 52	19	C	59' 37
Apr. 8	I	o 6 38' 69	Feb. 12	G	S.P. 58' 63	22	I	59' 46
9	G	38' 94	13	G	58' 87	23	I	S.P. 59' 35
18	G	38' 76	13	C	S.P. 59' 14	23	C	59' 30
May 1	G	38' 80	Mar. 4	W	S.P. 59' 04	26	G	59' 01
2	C	38' 76	5	G	59' 14	27	G	S.P. 58' 92
3	G	38' 80	5	G	S.P. 59' 10	30	C	S.P. 59' 39
6	I	38' 75	6	G	59' 02	30	I	59' 36
Oct. 23	G	38' 76	6	I	S.P. 59' 27	May 1	I	S.P. 59' 51
24	C	38' 70	7	C	59' 03	1	G	59' 13
Lacaille 30.			13	G	S.P. 59' 07	2	G	S.P. 59' 19
Oct. 24	C	o 10 1' 60	14	W	59' 31	2	C	59' 29
29	G	1' 53	14	C	S.P. 59' 45	3	C	S.P. 59' 16
Nov. 11	C	2' 08	15	W	59' 59	3	G	59' 14
			20	I	S.P. 59' 40	5	G	59' 56
			21	C	59' 47	6	G	S.P. 59' 10
			21	C	S.P. 59' 39	6	I	59' 83
			27	G	59' 20	24	G	59' 10
			28	G	S.P. 59' 24	25	G	S.P. 59' 08
			Apr. 4	W	S.P. 59' 24	June 2	G	59' 05
			4	G	59' 13	3	C	S.P. 59' 12
			5	G	S.P. 59' 28	3	G	59' 18
			5	C	59' 53	4	G	S.P. 59' 11
			7	C	59' 66	26	S	S.P. 59' 52
						26	S	59' 42
						July 4	G	S.P. 58' 96
						4	G	58' 88
						5	C	S.P. 58' 92

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
<i>β Hydri (continued).</i>			<i>12 Ceti (continued).</i>			<i>β Ceti (continued).</i>		
July 12	C	S.P. o 18 59'09	Nov. 5	G	o 23 30'32	May 3	G	o 37 9'77
12	G	59'17	8	I	30'27	19	G	9'77
20	G	S.P. 59'25	15	G	30'31	20	I	9'81
20	G	59'17	19	G	30'38	Dec. 12	I	9'79
Sept. 20	G	S.P. 59'50	20	I	30'35	18	G	9'76
Oct. 9	G	59'18	Lacaille 161.			Lacaille 221.		
15	G	58'96	Oct. 24	C	o 32 2'79	Nov. 6	I	o 40 36'13
16	I	58'46	29	G	3'02	11	C	35'90
22	I	59'06	Nov. 15	G	2'72	λ Hydri or Lacaille 235.		
22	G	S.P. 59'90	Lacaille 168.			Nov. 15	G	o 44 8'22
23	G	59'39	Nov. 19	G	o 32 34'15	19	G	8'44
24	C	59'02	20	I	34'25	20	I	8'55
24	G	S.P. 59'50	Dec. 6	C	34'31	Lacaille 261.		
25	I	59'24	Lacaille 197.			Nov. 4	C	o 48 47'30
Nov. 4	C	59'16	Dec. 6	C	o 36 9'40	6	I	47'62
4	G	S.P. 59'15	Lacaille 212.			11	C	47'56
5	G	59'18	Oct. 29	G	o 36 44'86	Lacaille 267.		
15	G	58'04	Nov. 4	C	45'41	Nov. 15	G	o 50 44'82
15	G	S.P. 59'03	15	G	45'18	19	G	45'11
16	S	59'78	β Ceti.			20	I	45'40
19	G	59'30	Jan. 18	G	o 37 9'79	* 7.8 Mag. N.P.D. 175° 38'.		
19	G	S.P. 59'33	30	G	9'75	Oct. 29	G	o 50 59'68
20	I	59'28	Mar. 28	G	9'78	Lacaille 295.		
21	G	S.P. 58'57	Apr. 5	C	9'72	Oct. 29	G	o 55 54'32
Dec. 10	G	58'87	9	G	9'96	Nov. 4	C	54'33
12	I	59'24	10	C	9'70	6	I	54'71
17	G	S.P. 59'33	18	G	9'72			
18	G	58'73	May 1	G	9'77			
18	G	S.P. 59'43	2	C	9'76			
<i>12 Ceti.</i>								
Oct. 15	G	o 23 30'37						
16	I	30'31						
22	I	30'28						
23	G	30'36						
24	C	30'26						
25	I	30'41						
29	G	30'27						
Nov. 4	C	30'37						

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
7.8 Mag. N.P.D. 166 30'.			η Piscium.			Lacaille 621.		
Oct. 29	G	0 56 2.22	Nov. 4	C	1 24 38.17	Nov. 15	G	1 53 49.86
ϵ Piscium.			Lacaille 455.			Dec. 10	G	49.91
Nov. 15	G	0 56 18.02	α Hydri or Lacaille 605.			α Hydri or Lacaille 605.		
20	I	18.08	Nov. 20	I	1 25 13.46	June 4	G	S.P. 1 54 44.05
Dec. 4	G	18.11	Dec. 13	G	12.97	Lacaille 625.		
Lacaille 320.			Lacaille 491.			Nov. 19	G	1 55 45.75
Nov. 19	G	1 0 59.80	Nov. 19	G	1 30 39.18	Dec. 13	G	45.46
Lacaille 330.			20	I	39.66	18	G	45.24
Dec. 6	C	1 4 23.32	Dec. 6	C	39.12	Lacaille 637.		
Lacaille 343.			10	G	38.87	Dec. 19	C	1 56 6.32
Nov. 4	C	1 7 21.90	ν Piscium.			Lacaille 679.		
19	G	21.98	Nov. 4	C	1 34 46.24	Dec. 12	I	1 59 46.96
Dec. 10	G	21.53	15	G	46.21	13	G	46.78
Lacaille 397.			Lacaille 561.			18	G	46.68
Nov. 11	C	1 16 37.86	Nov. 19	G	1 39 58.15	α Arietis.		
15	G	37.46	20	I	58.62	Dec. 4	G	1 59 57.62
19	G	37.85	Dec. 6	C	57.52	Lacaille 760.		
Lacaille 398.			Lacaille 558.			Dec. 17	C	2 3 41.53
Nov. 20	I	1 16 44.28	Dec. 19	C	1 42 19.34	19	C	41.19
Dec. 6	C	43.91	β Arietis.			67 Ceti.		
10	G	43.66	Dec. 18	G	1 47 34.33	Dec. 4	G	2 10 35.94
θ Ceti.			19	C	34.28	17	C	35.88
Apr. 18	G	1 17 37.53	Lacaille 633.			18	G	35.97
May 6	I	37.46	Dec. 17	C	1 50 51.08	19	C	36.01
						24	I	35.97

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
β^2 Ceti.			ν Hydri or Lacaille.			Lacaille 1848.		
Dec. 12	I	2 21 21.30	Dec. 19	C	2 51 19.62	Dec. 17	C	3 21 49.34
17	C	21.29	24	I	18.89	Lacaille 1182.		
19	C	21.34	30	G	20.04	Dec. 6	C	3 22 33.38
Lacaille 788.			α Ceti.			30	G	33.57
Nov. 11	C	2 23 44.72	Mar. 25	G	2 55 35.49	31	I	34.04
Dec. 17	C	44.32	Apr. 10	G	35.37	Lacaille 1204.		
18	G	44.09	11	C	35.44	Dec. 31	I	3 31 56.94
Lacaille 779.			May 3	C	35.38	δ Eridani.		
June 4	G	S.P. 2 25 4.42	Dec. 19	C	35.40	Dec. 17	C	3 37 6.92
Lacaille 817.			24	I	35.29	η Tauri.		
Dec. 6	C	2 27 47.87	30	G	35.45	Dec. 17	C	3 39 52.76
10	G	47.62	Lacaille 1036.			30	G	52.68
12	I	47.90	Dec. 6	C	3 0 44.99	Lacaille 1280.		
μ Hydri or Lacaille 883.			31	I	45.30	Dec. 12	I	3 40 35.48
Dec. 12	I	2 34 26.94	δ Arietis.			18	G	35.81
18	G	26.51	Dec. 12	I	3 4 18.80	19	C	35.77
30	G	27.00	18	G	18.66	γ Hydri.		
γ^2 Ceti.			31	I	18.75	Apr. 9	I	3 49 15.13
Dec. 4	G	2 36 40.16	Lacaille 1105.			9	I	S.P. 15.02
Lacaille 1029.			Dec. 6	C	3 11 57.98	10	G	15.09
Dec. 17	C	2 40 4.19	17	C	57.99	10	G	S.P. 15.00
Lacaille 928.			18	G	57.90	11	C	14.86
Nov. 11		2 40 44.30	Lacaille 1086.			11	C	S.P. 15.05
Dec. 18	G	44.14	Dec. 31	I	3 12 46.07	May 26	C	14.85
19	C	44.31	Lacaille 1133.			27	C	S.P. 14.94
			Dec. 12	I	3 18 23.34			
			18	G	23.58			
			19	C	23.16			

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
γ Hydri (continued).				α Tauri.				ϵ Orionis.			
June 28	C	3 49	14.90	Apr. 23	I	4 28	34.51	May 1	I	5 29	43.18
29	C	S.P.	15.01	Nov. 12	G		34.39	2	G		43.16
30	C		15.05	Dec. 30	G		34.57	Nov. 12	G		43.35
July 18	C	S.P.	15.01	31	I		34.56	α Columbæ.			
18	S		14.82	Lacaille 1702.				May 3 C 5 35 0.81			
Aug. 1	I	S.P.	14.98	Dec. 31 I 4 48 40.34				κ Orionis.			
2	G	S.P.	14.53	ϵ Leporis.				May 3 C 5 41 41.04			
2	G		14.47	Jan. 30 G 5 0 2.56				27 C 41.14			
Dec. 17	C		14.84	Dec. 24 I 2.48				α Orionis.			
19	C		14.91	31 I 2.57				May 3 C 5 48 14.52			
γ^1 Eridani.				Lacaille 1829.				6 G 14.51			
Apr. 23	I	3 52	3.43	Dec. 31 I 5 7 8.46				Oct. 23 G 14.60			
Dec. 12	I		3.38	β Orionis.				Dec. 30 G 14.57			
17	C		3.47	Jan. 30 G 5 8 23.22				ν Orionis.			
19	C		3.31	31 G 23.12				May 6 G 6 0 15.87			
30	G		3.44	β Tauri.				η Geminorum.			
Lacaille 1396.				May 27 C 5 18 12.10				Apr. 19 G 6 7 9.15			
Dec. 12	I	4 1	3.52	Nov. 12 G 12.06				μ Geminorum.			
δ^1 Eridani.				Dec. 31 I 12.16				Apr. 19 G 6 15 13.03			
Dec. 4	G	4 5	37.03	δ Orionis.				β Canis Majoris.			
24	I		37.18	May 1 I 5 25 28.10				Jan. 31 I 6 17 3.64			
30	G		37.01	2 G 28.09				Apr. 19 G 3.75			
31	I		37.10	α Leporis.				γ Geminorum.			
γ Tauri.				May 1 I 5 27 5.06				Dec. 31 I 6 30 18.91			
Dec. 19	C	4 12	30.61	2 G 5.07							
Lacaille 1502.											
Dec. 31	I	4 18	13.03								
ϵ Tauri.											
Dec. 12	I	4 21	8.56								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Canis Majoris.			6 Cancri.			γ Cancri.		
Sept. 26	I	6 39 30.11	Mar. 19	C	7 55 39.26	Apr. 8	C	8 35 52.58
			21	C	39.17	11	C	52.45
θ Canis Majoris.			15 Argûs.			ϵ Hydræ.		
Jan. 31	I	6 48 14.59	Mar. 21	C	8 2 5.59	Mar. 4	W	8 39 59.79
			June 3	C	5.46	6	I	59.78
γ Canis Majoris.			* 5. (Tempel's Comet.)			13	G	59.63
Jan. 31	I	6 57 58.08	Mar. 4	W	8 5 5.37	21	C	59.68
β Canis Minoris.			13	G	5.59	25	G	59.66
May 27	C	7 20 12.50	18	G	5.49	Apr. 8	C	59.79
			19	C	5.49	9	I	59.74
α^2 Geminorum.			A Octantis.			10	G	59.74
May 27	C	7 26 25.77	Sept. 20	C	S.P. 8 12 34.17	11	C	59.69
α Canis Minoris.			25	G	S.P. 32.95	α Cancri.		
May 27	C	7 32 35.91	26	I	S.P. 33.97	Apr. 8	C	8 51 29.03
June 4	G	36.01	Oct. 1	G	S.P. 32.99	9	I	29.07
Aug. 21	G	36.01	δ^1 Cancri.			10	G	29.12
Geminorum.			Mar. 13	G	8 16 1.94	11	C	29.08
June 4	G	7 37 28.85	25	G	1.99	κ Cancri.		
Aug. 21	G	28.84	* 4. (Tempel's Comet.)			Apr. 9	I	9 0 48.70
Lacaille 2990.			Feb. 16	W	8 24 19.10	10	G	48.73
Mar. 21	C	7 43 39.12	Mar. 4	W	19.18	11	C	48.67
ξ Argûs.			13	G	19.08	83 Cancri.		
Mar. 21	C	7 43 54.68	18	G	19.45	Apr. 9	I	9 11 50.15
June 4	G	54.67	η Cancri.			10	G	50.05
			Mar. 21	C	8 25 18.28	α Hydræ.		
			25	G	18.22	Mar. 4	W	9 21 17.75
			Apr. 8	C	18.22	6	I	17.88
			11	C	18.19	28	G	17.78
						Apr. 9	I	17.73
						10	G	17.77
						July 18	C	17.86
						Sept. 3	G	17.89
						18	G	17.83

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
ξ Leonis.				γ ¹ Leonis.				δ Crateris.			
Mar. 6	I	9 25	2.71	July 18	C	10 12	54.94	Apr. 9	I	11 12	56.46
Apr. 9	I		2.76					11	C		56.53
10	G		2.72	μ Hydræ.				17	I		56.49
								May 2	G		56.49
ο Leonis.				Mar. 4 W 10 19 54.01				τ Leonis.			
				20	I		53.86	Apr. 9 I 11 21 21.26			
Mar. 6	I	9 34	18.99	Apr. 8	C		53.99	17	I		21.22
14	C		19.07	ρ Leonis.				υ Leonis.			
Apr. 9	I		19.08	Mar. 13 G 10 26 4.10				Mar. 20 I 11 30 23.82			
10	G		19.01	14	C		4.21	Apr. 9 I 23.67			
11	C		19.02	21	C		4.22	11	C		23.69
ε Leonis.				34 Sextantis.				17 I 23.64			
Mar. 28 G 9 38 34.93				Apr. 8 C 10 36 0.84				May 1 I 23.71			
π Leonis.				ι Leonis.				β Leonis.			
Mar. 28 G 9 53 26.96				Mar. 13 G 10 42 31.72				Jan. 18 G 11 42 31.65			
α Leonis.				Apr. 23 I 31.59				Apr. 11 C 31.72			
Mar. 14 10 1 33.21				d Leonis.				May 1 I 31.79			
19	C		33.17	Apr. 23 I 10 53 56.95				6 G 31.68			
Sept. 3	G		33.07	χ Leonis.				* 1. (Tuttle's Comet.)			
18	G		33.13	Mar. 19 C 10 58 24.86				Mar. 4 W 11 43 12.82			
* 1. (Winnecke's Comet.)				Apr. 23 I 24.78				19 C 12.75			
Feb. 16 W 10 11 19.57				May 2 G 24.78				20 I 12.85			
Mar. 14 C 19.22				δ Leonis.				β Virginis.			
Apr. 8 C 19.52				Apr. 11 C 11 7 17.97				Apr. 9 I 11 44 1.63			
				May 2 G 17.97				11 C 1.67			
* 2. (Winnecke's Comet.)								π Virginis.			
Mar. 13 G 10 12 4.84				Apr. 11 C 11 7 17.97				Apr. 9 I 11 54 18.76			
28 G 4.79				May 2 G 17.97				11 C 18.79			
Apr. 10 G 4.35								May 6 G 18.95			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
* 2. (Tuttle's Comet.)			η Virginis (continued).			β Corvi (continued).		
Mar. 14	C	11 57 59.30	Apr. 9	I	12 13 21.39	July 12	C	12 27 39.97
19	C	59.45	10	G	21.48	Nov. 4	G	39.95
21	C	59.46	18	C	21.46	Dec. 18	G	39.91
28	G	59.45	19	G	21.39	24	I	39.96
* 3. (Tuttle's Comet.)			May 3	C	21.49	Lacaille 5266.		
Mar. 4	W	11 58 3.26	Nov. 15	G	21.53	July 5	C	12 39 43.64
20	I	3.46	δ^2 Corvi.			Oct. 23	G S.P.	43.70
Apr. 5	G	3.30	Mar. 6	I	12 23 14.60	24	C S.P.	43.57
ϵ Virginis.			Apr. 8	C	14.54	* 6. (Tuttle's Comet.)		
Apr. 9	I	11 58 41.24	10	G	14.58	Mar. 13	G	12 41 16.76
ϵ Corvi.			18	C	14.54	14	C	16.67
Mar. 4	W	12 3 32.70	May 3	C	14.57	19	C	16.77
28	G	32.57	June 4	G	14.57	21	C	16.86
Apr. 5	G	32.62	July 12	C	14.54	35 Virginis.		
9	I	32.62	* 5. (Tuttle's Comet.)			Apr. 10	G	12 41 20.48
19	G	32.55	Mar. 13	G	12 25 1.56	30 Comæ.		
May 1	I	32.58	14	C	1.34	Apr. 10	G	12 43 3.17
6	G	32.61	19	C	1.53	31 Comæ.		
Nov. 15	G	32.63	20	I	1.84	Apr. 10	G	12 45 27.66
Dec. 24	I	32.65	21	C	1.50	δ Virginis.		
δ Crucis.			β Corvi.			Mar. 20	I	12 49 9.39
Mar. 14	C	12 8 21.69	Jan. 18	G	12 27 39.90	21	C	9.36
19	C	21.82	30	G	39.88	Apr. 10	G	9.33
20	I	21.64	31	I	39.96	Lacaille 5338.		
21	C	21.82	Mar. 28	G	39.92	July 3	C	12 53 26.95
28	G	21.63	Apr. 5	G	39.97	5	C	27.54
η Virginis.			9	I	39.94	Oct. 23	G S.P.	27.18
Mar. 28	G	12 13 21.47	10	G	39.95			
Apr. 8	C	21.35	11	C	39.95			
			18	C	40.03			
			19	G	39.91			
			May 3	C	40.00			
			June 3	C	39.96			
			4	G	39.93			

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
ε Virginis.			* 7. (Tuttle's Comet.)			η Boötis.		
Mar. 14	C	12 55 48.14	Mar. 14	C	13 25 44.22	Mar. 14	C	13 48 35.37
19	C	48.28	20	I	44.39	19	C	35.33
			Apr. 5	G	44.39	20	I	35.36
Lacaille 5373.			Lacaille 5565.			May 27	C	35.34
July 3	C	13 1 27.67	July 3	C	13 25 58.68	τ Virginis.		
5	C	27.31	Nov. 19	G S.P.	58.49	Mar. 20	I	13 55 7.99
Oct. 23	G S.P.	27.03	Dec. 10	G S.P.	58.56	Lacaille 5805.		
θ Virginis.			ζ Virginis.			July 3	C	14 1 49.05
Jan. 30	G	13 3 19.42	Mar. 21	C	13 28 10.40	5	C	49.00
Mar. 13	G	19.51	m Virginis.			Nov. 15	G S.P.	49.07
14	C	19.47	Mar. 21	C	13 34 53.71	Lacaille 5836.		
Apr. 5	G	19.44	Lacaille 5633.			June 4	G	14 4 45.39
Lacaille 5477.			July 3	C	13 39 30.30	κ Virginis.		
July 5	C	13 13 53.64	5	C	30.95	May 27	C	14 6 4.23
Oct. 23	G S.P.	53.68	Nov. 15	G S.P.	30.88	α Boötis.		
29	G S.P.	53.26	τ Boötis.			May 27	C	14 9 49.41
ι¹ Muscæ or Lacaille 5486.			Mar. 21	C	13 41 10.76	June 4	G	49.40
July 3	C	13 15 4.94	Lacaille 5672.			Oct. 15	G	49.30
α Virginis.			July 3	C	13 46 4.08	17	C	49.28
Mar. 20	I	13 18 27.11	Nov. 15	G S.P.	4.47	18	G	49.20
Nov. 4	G	27.02	19	G S.P.	4.42	23	G	49.24
5	G	27.12	Lacaille 5694.			Nov. 4	G	49.18
12	G	27.02	July 5	C	13 47 26.68	5	G	49.31
15	G	26.97	Dec. 10	G S.P.	26.97	12	G	49.44
Lacaille 5519.			12	I S.P.	27.06	* 8. (Tuttle's Comet.)		
July 5	C	13 23 24.50	Mar. 14	C	14 12 17.03			
Oct. 24	G S.P.	25.06	19	C	17.18			
Nov. 15	G S.P.	24.14	20	I	17.94			
			Apr. 10	G	17.72			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 5866.			Lacaille 6174.			α Serpentis.		
July 3	C	14 12 51.90	Dec. 10	G	S.P. 14 58 21.29	Apr. 9	I	15 37 57.85
5	C	52.08	18	G	S.P. 21.01	Dec. 4	G	57.83
Nov. 19	G	S.P. 52.36	ψ Boötis.			18	G	57.90
f Boötis.			June 3	C	14 58 57.64	19	G	57.74
June 4	G	14 20 30.22	Lacaille 6191.			Lacaille 6449.		
Lacaille 5913.			July 3	C	15 0 42.49	July 12	C	15 38 8.80
July 3	C	14 21 55.72	5	C	42.88	Dec. 18	G	S.P. 8.71
5	C	56.36	Dec. 17	C	S.P. 42.67	* 9. (Tuttle's Comet.)		
Nov. 19	G	S.P. 55.73	30	G	S.P. 42.78	Apr. 11	C	15 40 21.04
Lacaille 6022.			λ Libræ.			Lacaille 6484.		
July 3	C	14 36 53.76	Apr. 9	I	15 4 55.71	July 19	S	15 42 10.82
5	C	53.91	June 3	C	55.65	ε Serpentis.		
Nov. 19	G	S.P. 53.70	Lacaille 6242.			Apr. 10	G	15 44 26.20
ε² Boötis.			July 5	C	15 9 58.11	Lacaille 6527.		
June 4	G	14 39 23.85	Dec. 10	G	S.P. 58.57	Dec. 24	I	S.P. 15 48 10.69
Lacaille 6088.			12	I	S.P. 58.20	Lacaille 6552.		
July 5	C	14 45 14.53	β Libræ.			July 12	C	15 51 9.39
Dec. 10	G	S.P. 15.45	Apr. 9	I	15 10 7.30	Dec. 18	G	S.P. 9.44
12	I	S.P. 15.98	γ Libræ.			β¹ Scorpii.		
Lacaille 6108.			Apr. 9	I	15 21 2.37	Apr. 10	G	15 57 59.73
July 3	C	14 50 28.13	* 3. (Tempel's Comet.)			11	C	59.78
Dec. 10	G	S.P. 29.08	Apr. 11	C	15 24 55.95	May 27	C	59.74
18	G	S.P. 28.85	Lacaille 6381.			Dec. 19	G	59.81
Lacaille 6169.			July 12	C	15 26 15.16			
July 5	C	14 55 52.17	Dec. 12	I	S.P. 15.79			
			19	C	S.P. 15.32			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 6575.			Lacaille 6696.			Lacaille 6869.		
July 19	S	16 1 20.57	Aug. 8	G	16 17 28.06	June 29	C	16 36 19.68
Dec. 17	C	S.P. 20.32	Dec. 18	G	S.P. 27.58	July 18	C	19.71
18	G	S.P. 19.85	19	C	S.P. 28.03	Aug. 9	I	19.85
Lacaille 6572.			Lacaille 6773.			Lacaille 6828.		
July 12	C	16 3 35.89	Aug. 6	I	16 18 33.68	Aug. 8	G	16 43 13.36
18	C	35.46	Dec. 24	I	S.P. 34.57	* N.P.D. 172°.7'.		
Aug. 8.	G	36.26	30	G	S.P. 34.00			
Lacaille 6687.			α Scorpii.			Aug. 8	G	16 43 16.31
June 29	C	16 6 1.93	Apr. 11	C	16 21 33.63	Lacaille 6948.		
Dec. 17	C	S.P. 2.18	Nov. 19	G	33.50	Aug. 9	I	16 43 20.53
18	G	S.P. 1.86	Dec. 18	G	33.63	Lacaille 6939.		
δ Ophiuchi.			19	G	33.67	July 19	S	16 44 10.07
Apr. 10	G	16 7 38.28	30	G	33.64	Lacaille 6905.		
11	C	38.33	Lacaille 6808 or 6811.			June 29	C	16 45 59.85
Dec. 18	G	38.29	July 18	C	16 22 30.76	Aug. 3	S	60.04
19	G	38.37	19	S	31.09	Dec. 30	G	S.P. 59.07
30	G	38.35	Aug. 8	G	30.79	Lacaille 6992.		
Lacaille 6750.			Lacaille 6791.			Aug. 8	G	16 49 37.90
July 18	C	16 13 39.66	July 12	C	16 22 50.13	κ Ophiuchi.		
19	S	40.00	Lacaille 6817.			Aug. 22	I	16 51 36.61
Aug. 8	G	39.30	June 29	C	16 24 51.65	Lacaille 7020.		
Lacaille 6727.			Aug. 8	G	51.42	July 12	C	16 52 36.09
June 29	C	16 13 53.75	Dec. 18	G	S.P. 51.40	Aug. 8	G	35.83
July 12	C	53.89	24	I	S.P. 51.97			
Dec. 12	I	S.P. 54.05	ζ Ophiuchi.					
γ Herculis.			July 18	C	16 30 6.62			
Apr. 11	C	16 16 16.45						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 7018.			Lacaille 7105.			Lacaille 7319.		
Aug. 8	G	16 55 20.11	Aug. 9	I	17 10 22.28	July 12	C	17 31 40.79
17	G	20.06	22	I	21.64	Aug. 8	G	41.15
ε Herculis.			θ Ophiuchi.			9	I	40.47
Apr. 8	C	16 55 23.65	Apr. 17	I	17 14 8.98	Lacaille 7275.		
Lacaille 7002.			May 2	G	8.89	Aug. 17	G	17 32 43.70
Aug. 8	G	17 0 19.36	Aug. 8	G	8.91	21	G	43.83
9	I	18.71	21	G	8.91	22	I	43.19
22	I	18.71	Lacaille 7090.			Lacaille 7332.		
Lacaille 7062.			July 12	C	17 17 59.18	Sept. 3	G	17 32 55.73
July 19	S	17 0 41.99	18	C	59.32	4	C	55.45
Aug. 3	S	42.67	Aug. 8	G	58.82	β Ophiuchi.		
21	G	41.51	σ Ophiuchi.			Apr. 17	I	17 37 9.00
η Ophiuchi.			Apr. 17	I	17 20 9.86	23	I	8.95
Apr. 8	C	17 3 2.37	Aug. 22	I	9.78	May 3	C	9.03
May 2	G	2.24	Lacaille 7229.			6	G	8.89
July 18	C	2.34	Aug. 3	S	17 22 47.50	Lacaille 7372.		
Lacaille 7127.			8	G	47.27	Aug. 21	G	17 39 34.72
July 12	C	17 5 33.78	9	I	46.93	Lacaille 7361.		
18	C	33.83	Lacaille 7184.			Aug. 17	G	17 39 36.02
Aug. 8	G	33.72	July 18	C	17 27 18.97	22	I	35.89
Lacaille 7088.			19	S	19.06	Lacaille 7327.		
Aug. 17	G	17 7 34.62	Aug. 8	G	19.34	July 18	C	17 39 51.19
21	G	34.43	α Ophiuchi.			Aug. 3	S	51.52
α ¹ Herculis.			May 1	I	17 28 59.64	8	G	50.96
May 2	G	17 8 48.70	6	G	59.60			
Aug. 8	G	48.64	Aug. 21	G	59.66			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
μ Herculis.			Lacaille 7525.			Lacaille 7700.		
May 1	I	17 41 26.93	Sept. 3	G	18 6 14.08	Sept. 3	G	18 28 7.21
3	C	27.04	4	C	13.29	4	C	7.18
6	G	26.92				20	C	7.18
89 Herculis.			σ Octantis.			Lacaille 7699.		
Mar. 21	C	17 50 15.42	Sept. 20	C	18 10 0.44	Aug. 2	C	18 32 9.23
May 3	C	15.44	20	G	S.P. 0.69	27	C	9.56
			24	G	S.P. 1.27	Sept. 3	G	9.67
			25	G	0.97			
Lacaille 7462.			η Serpensis.			Lacaille 7781.		
July 18	C	17 51 17.94	Mar. 21	C	18 14 41.22	Aug. 22	I	18 36 41.76
Sept. 4	C	17.77	July 12	C	41.30	Sept. 4	C	41.37
Lacaille 7348.			Lacaille 7562.			13	I	41.49
Sept. 3	G	17 52 26.32	Sept. 3	G	18 15 53.93	Lacaille 7705.		
			4	C	54.26	Aug. 2	C	18 40 56.41
Lacaille 7486.			Lacaille 7548.			20	C	55.81
Sept. 3	G	17 56 35.63	Sept. 3	G	18 19 23.58	Sept. 18	G	56.11
4	C	35.65	4	C	23.15	Lacaille 7822.		
72 Ophiuchi.			λ Sagittarii.			Aug. 27	C	18 42 7.80
Mar. 21	C	18 1 16.88	Mar. 21	C	18 20 4.23	Sept. 3	G	8.52
Apr. 23	I	16.94	Sept. 20	C	4.22	4	C	8.33
Lacaille 7515.			Lacaille 7664.			β^1 Lyrae.		
Sept. 3	G	18 3 40.06	Sept. 3	G	18 23 4.10	Sept. 24	C	18 45 21.15
4	C	39.58	Lacaille 7615.			Lacaille 7877.		
μ Sagittarii.			Aug. 21	G	18 27 1.37	Aug. 2	C	18 50 11.35
Jan. 18	G	18 6 6.54	22	I	1.59	22	I	11.41
Apr. 23	I	6.54				27	C	11.45
May 1	I	6.46						
July 12	C	6.45						
18	C	6.52						
Aug. 21	G	6.44						
22	I	6.34						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 7751.			ψ Sagittarii.			h ^o Sagittarii.		
Sept. 3	G	18 52 12.40	Sept. 13	I	19 7 41.30	Apr. 19	G	19 28 54.99
13	I	12.90	19	I	41.27	Aug. 2	C	54.87
19	I	13.04				Sept. 26	I	54.88
Lacaille 7890.			Lacaille 8020.			Lacaille 8118.		
Sept. 18	G	18 52 47.75	Aug. 27	C	19 11 42.36	Sept. 4	C	19 31 21.07
24	C	47.75	Sept. 13	I	42.52	18	G	21.09
25	G	47.67	18	G	42.31	24	C	21.01
Lacaille 7884.			ω Aquilæ.			Lacaille 8094.		
Sept. 27	C	18 53 43.58	Aug. 2	C	19 11 48.45	Aug. 2	C	19 32 17.59
			Sept. 3	G	48.51	Sept. 25	G	17.60
			10	S	48.47	26	I	17.91
Lacaille 7905.			20	C	48.55			
Sept. 27	C	18 55 47.97	24	C	48.51	ε ¹ Sagittarii.		
			26	I	48.41	Apr. 19	G	19 33 23.33
Lacaille 7935.			δ Aquilæ.			May 27	C	23.39
Sept. 13	I	18 58 56.81	Aug. 2	C	19 19 2.61	Sept. 19	I	23.28
19	I	57.36	Sept. 3	G	2.50			
25	G	57.10	13	I	2.61	γ Aquilæ.		
ζ Aquilæ.			18	G	2.47	Apr. 19	G	19 40 10.45
Aug. 2	C	18 59 31.56	24	C	2.61	May 27	C	10.47
8	G	31.65	26	I	2.68	June 4	G	10.46
22	I	31.70	Lacaille 8076.			Sept. 10	S	10.38
Sept. 3	G	31.52	Aug. 2	C	19 23 8.41	20	C	10.37
10	S	31.62	20	C	8.50	Lacaille 8172.		
20	C	31.53	27	C	8.40	Sept. 4	C	19 40 15.99
24	C	31.58				18	G	16.69
Lacaille 7975.			Lacaille 8108.			19	I	17.01
Aug. 2	C	19 4 11.53	Sept. 18	G	19 27 8.75	Lacaille 8179.		
20	C	11.64	20	C	8.83	Aug. 2	C	19 44 4.51
27	C	11.42	24	C	8.96	Sept. 20	C	3.93
						24	C	4.23
						25	G	4.41

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
α Aquilæ.				Lacaille 8240.				ρ Capricorni.			
Jan. 18	G	19	44 32.26	Aug. 2	C	19	55 0.73	Sept. 18	G	20	21 33.50
May 27	C		32.29	Sept. 20	C		0.33	19	I		33.46
June 4	G		32.30	25	G		1.29	26	I		33.47
Aug. 22	I		32.23	Lacaille 8256.				Lacaille 8413.			
Sept. 10	S		32.19	Sept. 19	I	19	57 13.53	Sept. 25	G	20	21 42.81
13	I		32.28	26	I		13.78	Oct. 1	G		42.69
19	I		32.21	Oct. 8	C		13.55	8	C		42.10
Dec. 4	G		32.12	Lacaille 8281.				Lacaille 8435.			
Lacaille 8188.				Aug. 22	I	20	1 51.61	Aug. 20	C	20	26 9.02
Sept. 26	I	19	45 56.12	Sept. 4	C		51.22	Sept. 13	I		9.18
27	C		56.21	13	I		51.83	24	C		9.62
Oct. 1	G		55.50	Lacaille 8301.				Lacaille 8443.			
\ast N.P.D. $169^{\circ} 13'$.				Sept. 18	G	20	3 39.93	Sept. 18	G	20	26 25.54
Sept. 18	G	19	48 17.89	19	I		40.47	20	C		25.17
β Aquilæ.				Lacaille 8323.				Oct. 1	G		25.60
Sept. 10	S	19	49 1.51	Aug. 20	C	20	8 15.62	\ast 6.7 Mag. N.P.D. $165^{\circ} 47'$.			
13	I		1.53	α^1 Capricorni.				Sept. 18	G	20	26 26.77
Lacaille 8218.				Sept. 13	I	20	10 33.02	20	C		26.48
Aug. 22	I	19	50 41.57	α^2 Capricorni.				Oct. 1	G		27.15
Sept. 4	C		40.89	Aug. 2	C	20	10 57.05	Lacaille 8420.			
19	I		41.25	Lacaille 8360.				Sept. 25	G	20	27 39.70
Lacaille 8236.				Aug. 20	C	20	16 28.30	Oct. 9	G		40.74
Sept. 18	G	19	50 57.50	Sept. 13	I		28.45	Lacaille 8434.			
25	G		58.10	20	C		28.80	Sept. 26	I	20	30 12.32
26	I		58.59	Lacaille 8252.				Oct. 8			10.93
Lacaille 8252.				Sept. 24	C	19	52 48.39				
Sept. 24	C	19	52 48.39	Oct. 1	G		48.18				
Oct. 1	G		48.18								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Delphini.			Lacaille 8535.			Lacaille 8713.		
June 3	C	20 33 41.53	Sept. 25	G	20 47 19.19	Oct. 22	I	21 10 35.78
			Oct. 1	G	18.50			
Lacaille 8473.			Lacaille 8570.			ι Capricorni.		
Sept. 13	I	20 34 7.60	Sept. 20	C	20 49 6.92	Sept. 24	C	21 15 6.98
20	C	7.33	24	C	6.90			
24	C	7.73				Lacaille 8702.		
Lacaille 8493.			Lacaille 8511.			Sept. 18	G	21 15 7.18
			Sept. 26	I	20 56 24.99	25	G	7.04
Oct. 9	G	20 34 20.86				Oct. 1	G	6.94
* 8 Mag. N.P.D. 166° 22'.			Lacaille 8618.			Lacaille 8750.		
Sept. 25	G	20 34 46.97	Sept. 13	I	20 58 49.06	Sept. 13	I	21 17 32.64
Oct. 1	G	47.53				Oct. 9	G	32.62
Lacaille 8483.			B Octantis.			15	G	32.45
Sept. 26	I	20 38 39.52	Sept. 20	C	20 58 59.57	Lacaille 8785.		
Oct. 1	G	39.07	25	G	63.77	Sept. 26	I	21 20 4.66
ε Aquarii.			Lacaille 8643.			Oct. 17	C	4.09
June 3	C	20 40 44.70	Sept. 26	I	21 4 18.80	25	I	4.37
Sept. 19	I	44.68				β Aquarii.		
Lacaille 8536.			ζ Cygni.			Sept. 3	G	21 24 49.18
Sept. 18	G	20 43 11.49	Oct. 8	C	21 7 29.29	18	G	49.07
24	C	11.56	17	C	29.21	19	I	49.20
25	G	11.33	18	G	29.39	20	C	49.09
Lacaille 8562.			Lacaille 8669.			26	I	49.11
Sept. 26	I	20 46 44.08	Sept. 25	G	21 8 24.05	Oct. 15	G	49.09
Oct. 9	G	43.54	Oct. 1	G	23.51	16	I	49.14
15	G	43.65	9	G	23.46	18	G	49.08
			Lacaille 8711.			22	I	49.13
			Oct. 15	G	21 9 31.00	25	I	49.17
			16	I	31.07	Lacaille 8817 or 8818.		
			25	I	31.47	Sept. 13	I	21 27 8.30
						Oct. 1	G	8.57
						17	C	8.40

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
ξ Aquarii.			Lacaille 8935.			Lacaille 9023.		
Sept. 20	C	21 30 56.12	Sept. 26	I	21 49 11.37	Oct. 16	I	22 6 47.03
λ Octantis or Lacaille 8798.			Oct. 9	G	11.15	24	C	47.59
Oct. 30	I	21 31 2.68	17	C	11.39	29	G	47.37
Lacaille 8850.			Lacaille 8942.			θ Aquarii.		
Sept. 13	I	21 35 37.62	Oct. 30	I	21 49 41.42	Sept. 18	G	22 10 4.67
Oct. 17	C	37.61	Lacaille 8897.			Oct. 2	C	4.55
22	I	38.35	Oct. 22	I	21 50 40.01	Nov. 8	I	4.76
ε Pegasi.			23	G	39.31	Lacaille 9070.		
Aug. 8	G	21 37 53.93	29	G	39.95	Oct. 17	C	22 11 57.36
Sept. 18	G	53.96	Lacaille 8991.			23	G	57.32
20	C	53.89	Oct. 29	G	21 58 31.57	24	C	57.21
Oct. 15	G	53.92	α Aquarii.			Lacaille 9090.		
18	G	53.90	Sept. 13	I	21 59 12.49	Oct. 16	I	22 14 39.85
Lacaille 8864.			26	I	12.46	21	C	40.13
Oct. 16	I	21 38 47.28	Oct. 15	G	12.48	25	I	40.28
23	G	47.03	16	I	12.52	29	G	40.14
25	I	47.51	22	I	12.55	γ Aquarii.		
Lacaille 8909.			24	C	12.56	Oct. 2	C	22 15 2.65
Oct. 17	C	21 44 13.45	25	I	12.44	Lacaille 9095.		
22	I	13.59	C Octantis.			Oct. 2	C	22 17 32.80
23	G	13.69	Sept. 24	C	22 6 22.81	Nov. 8	I	83.43
16 Pegasi.			25	G	22.23	Lacaille 9124.		
Oct. 8	C	21 47 14.29	Oct. 1	G	22.42	Oct. 23	G	22 23 5.80
Lacaille 8927.			9	G	21.96	24	C	5.75
Oct. 16	I	21 48 23.58	23	G	22.19	25	I	6.44
25	I	24.08	25	I	23.76			
29	G	23.82						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 9122.			Lacaille 9191.			λ Aquarii.		
Oct. 17	C	22 23 8.01	Nov. 8	I	22 34 6.45	Oct. 8	C	22 45 56.22
21	C	8.14	ζ Pegasi.			Lacaille 9273.		
22	I	8.39						
Lacaille 9105.			Oct. 11	C	22 35 4.69	Oct. 24	C	22 46 10.46
Oct. 29	G	22 23 31.91	17	C	4.75	Nov. 6	I	10.82
Nov. 6	I	33.64	24	C	4.66	Lacaille 9260.		
Lacaille 9102.			Nov. 5	G	4.69			
Lacaille 9102.			Lacaille 9203.			Oct. 29	G	22 49 24.45
Oct. 16	I	22 23 51.90	Oct. 16	I	22 36 3.36	Nov. 4	C	24.34
σ Aquarii.			25	I	3.41	α Piscis Australis.		
			29	G	3.17			
Oct. 2	C	22 23 52.34	Nov. 6	I	3.75	Mar. 13	G	22 50 34.40
Lacaille 9155.			Lacaille 9216.			14	G	34.42
						Apr. 5	C	34.37
Nov. 8	I	22 26 14.01	Oct. 22	I	22 38 57.15	8	I	34.38
η Aquarii.			23	G	56.15	9	G	34.24
			24	C	56.56	Oct. 8	C	34.16
Oct. 2	C	22 28 46.63	Lacaille 9228.			11	C	34.29
11	C	46.67	Oct. 25	I	22 43 29.96	16	I	34.29
23	G	46.66	29	G	29.50	17	C	34.35
25	I	46.61	Nov. 4	C	29.12	22	I	34.35
Lacaille 9123.			μ Pegasi.			23	G	34.22
						25	I	34.30
Oct. 29	G	22 29 21.92	Lacaille 9262.			Nov. 5	G	34.26
Lacaille 9165.						8	I	34.26
Oct. 21	C	22 32 48.67	Oct. 16	I	22 44 38.51	Lacaille 9332.		
22	I	49.14	21	C	38.27			
23	G.	48.54	23	G	37.85	Oct. 8	C	22 57 51.65
			Nov. 8	I	38.61	23	G	51.75
						24	C	51.38
						25	I	53.14
						α Pegasi.		
						Apr. 8	I	22 58 23.14
						10	C	23.18

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Pegasi (continued).			Lacaille 9434.			ι Piscium.		
Oct. 11	C	22 58 23.11	Oct. 17	C	23 14 6.70	Nov. 4	C	23 33 21.94
16	I	23.13	25	I	6.89	19	G	22.01
17	C	23.13	29	G	6.78	20	I	21.90
22	I	23.05	κ Piscium.			Lacaille 9546.		
Nov. 8	I	22.95	Sept. 26 I 23 20 22.04			Nov. 20	I	23 35 32.77
Lacaille 9355.			Oct. 16	I	22.16	Lacaille 9558.		
Oct. 29	G	23 1 21.85	23	G	22.20	Nov. 4	C	23 36 1.46
Lacaille 9362.			25	I	22.12	8	I	2.17
Oct. 17	C	23 1 22.90	Nov. 4	C	22.19	15	G	1.69
23	G	22.99	8	I	22.32	Lacaille 9560.		
24	C	22.60	Lacaille 9475.			Oct. 22	I	23 36 50.12
Lacaille 9378.			Nov. 20	I	23 22 48.55	23	G	50.49
Oct. 22	I	23 5 59.18	Lacaille 9487.			24	C	50.35
23	G	59.02	Oct. 25	I	23 23 2.99	Lacaille 9563.		
24	C	58.48	29	G	3.00	Oct. 16	I	23 38 59.29
Lacaille 9389.			Lacaille 9493.			23	G	60.02
Oct. 25	I	23 7 34.70	Nov. 8	I	23 24 23.24	29	G	60.24
29	G	34.08	Lacaille 9494.			δ Sculptoris.		
Nov. 6	I	34.98	Oct. 16	I	23 24 59.64	Oct. 22	I	23 42 15.28
τ Octantis.			23	G	60.00	Lacaille 9602.		
Sept. 26	I	23 7 40.72	24	C	59.57	Nov. 6	I	23 43 31.28
Nov. 4	C	40.48	Lacaille 9525.			8	I	30.30
Lacaille 9392.			Oct. 16	I	23 30 22.96	15	G	30.79
Nov. 8	I	23 7 44.60	23	G	23.18	Lacaille 9614.		
γ Piscium.			24	C	23.31	Oct. 16	I	23 46 0.05
Oct. 17	C	23 10 31.71				23	G	0.58
						24	C	1.13

at the Royal Observatory, Cape of Good Hope, in 1872.

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Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 9621.			♍ Piscium.			Lacaille 9704.		
Nov. 4	C	23 46 14.33	Oct. 24	C	23 52 44.32	Nov. 4	C	23 57 28.20
19	G	14.72	Nov. 8	I	44.29	19	G	28.11
20	I	15.27	15	G	44.41	20	I	28.84
			19	G	44.26			
			20	I	44.34			
Lacaille 9651.			Lacaille 9691.					
Oct. 22	I	23 50 27.21	Oct. 22	I	23 54 58.97			
23	G	27.37	22	G	58.77			
29	G	27.21	29	G	58.85			

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS
FOR
MEAN N.P.D. OF STARS
OBSERVED IN THE YEAR
1872.

R.A. 0^h. 1^m. to 1^h. 16^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 9736.			Lacaille 168.			7.8 Mag. R. A. 0 ^h . 50 ^m . 59 ^s .		
Oct. 29	G	168 55 24.56	Nov. 19	G	166 18 42.41	Oct. 29	G	175 37 51.89
Nov. 6	I	23.06	20	I	43.52	Lacaille 295.		
15	G	24.05	Dec. 6	C	42.95	Oct. 29	G	166 30 16.28
Lacaille 9750.			Lacaille 197.			Nov. 4	C	15.98
Nov. 19	G	169 42 51.10	Dec. 6	C	171 21 36.26	6	I	15.18
20	I	51.24	Lacaille 212.			* 7.8 Mag. R.A. 0 ^h . 56 ^m . 2 ^s .		
Lacaille 9765.			Oct. 29	G	173 44 7.31	Oct. 29	G	166 30 12.47
Oct. 29	G	166 11 22.60	Nov. 4	C	8.64	Nov. 4	C	12.11
Nov. 4	C	21.75	15	G	8.70	Lacaille 320.		
15	G	22.42	Lacaille 221.			Nov. 19	G	169 1 56.19
Lacaille 30.			Nov. 6	I	168 46 57.23	Lacaille 330.		
Oct. 24	C	166 37 23.58	11	C	58.03	Dec. 6	C	167 21 26.61
29	G	24.71	Lacaille 235.			Lacaille 343.		
Nov. 11	C	24.77	Nov. 15	G	165 37 14.30	Nov. 4	C	167 53 15.37
Lacaille 33.			19	G	13.76	19	G	16.08
Nov. 15	G	169 29 26.22	20	I	13.98	Dec. 10	G	15.72
19	G	26.15	Lacaille 261.			Lacaille 361.		
B Hydri.			Nov. 4	C	165 20 51.31	Oct. 24	C	157 4 24.44
Oct. 23	G	167 58 29.68	6	I	50.59	Lacaille 397.		
29	G	30.36	11	C	52.95	Nov. 11	C	167 42 13.28
Lacaille 161.			Lacaille 267.			15	G	13.38
Oct. 24	C	167 0 50.62	Nov. 15	G	165 0 0.93	19	G	14.69
29	G	53.06	19	G	1.46			
Nov. 15	G	51.01	20	I	0.37			

R.A. 1^h. 16^m. to 3^h. 0^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 398.			Lacaille 558.			Lacaille 788.		
Nov. 20	I	166 49 15.63	Dec. 19	C	170 41 42.95	Nov. 11	C	165 0 52.77
Dec. 6	C	17.04	Lacaille 634.			Dec. 17	C	52.75
10	G	16.21	Dec. 13	G	175 24 53.39	18	G	52.99
Lacaille 455.			Lacaille 633.			Lacaille 779. S.P.		
Nov. 20	I	165 42 23.38	Dec. 17	C	173 18 25.57	June 3	C	154 52 21.51
Dec. 13	G	23.47	Lacaille 621.			4	G	19.83
Lacaille 491.			Nov. 15	G	168 7 7.46	Lacaille 817.		
Nov. 19	G	168 43 30.87	Dec. 6	C	8.64	Dec. 6	C	166 18 41.27
20	I	31.32	10	G	7.58	10	G	40.52
Dec. 6	C	31.16	α Hydri. S.P.			12	I	39.28
10	G	31.92	June 4	G	152 11 35.58	μ Hydri or Lacaille 883.		
α Eridani.			Lacaille 625.			Dec. 12	I	169 40 0.38
Mar. 5	C	147 53 14.81	Nov. 19	G	165 59 22.18	18	G	1.97
6	C	15.06	Dec. 13	G	22.18	30	G	1.52
7	C	14.94	18	G	22.30	Lacaille 1029.		
11	C	15.28	Lacaille 637.			Dec. 6	C	176 16 55.14
13	C	15.42	Dec. 19	C	168 58 27.15	17	C	54.67
14	C	15.24	Lacaille 679.			Lacaille 928.		
15	I	15.43	Dec. 12	I	172 7 12.88	Nov. 11	C	170 21 45.42
21	C	14.85	13	G	13.66	Dec. 18	G	44.96
Apr. 6	C	15.25	18	G	12.85	ν Hydri or Lacaille 972.		
8	C	15.13	Lacaille 760.			Dec. 19	C	165 35 22.66
9	I	15.14	Dec. 6	C	175 39 17.86	24	I	23.64
11	C	14.50	10	G	18.56	30	G	23.64
19	C	15.34	17	C	19.47	Lacaille 1036.		
Nov. 11	C	15.83	α Piscium.			Dec. 6	C	170 6 3.33
Lacaille 561.			Oct. 24	C	81 29 15.93	31	I	1.15
Nov. 19	G	172 55 42.07	Lacaille 561.					
20	I	43.06						
Dec. 6	C	44.11						

R.A. 3^h. 11^m. to 11^h. 12^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
8 Mag. precedes by 4 ^a . Lacaille 1105.			Lacaille 1396. °			ε Hydræ.		
Dec. 18	G	169 28 37.91	Dec. 12	I	166 52 14.39	Mar. 19	C	83 6 45.05
Lacaille 1105.			Lacaille 1502.			α Hydræ.		
Dec. 6	C	169 28 26.52	Dec. 31	I	166 7 11.90	Mar. 19	C	98 6 17.68
17	C	25.60	Lacaille 1702.			27	I	17.04
18	G	26.00	Dec. 31	I	166 32 2.28	Apr. 8	C	17.25
Lacaille 1086.			Lacaille 1829.			π Leonis.		
Dec. 31	I	165 8 35.77	Dec. 31	I	168 28 22.58	Mar. 14	C	81 20 33.78
Lacaille 1133.			β Orionis.			21	C	33.43
Dec. 12	I	169 17 39.27	June 3	C	98 21 4.93	Apr. 8	C	33.20
18	G	38.10	* 5. (Tempel's Comet.)			11	C	32.66
19	C	40.27	Mar. 4	W	149 58 32.61	* 1. (Winnecke's Comet.)		
Lacaille 1848.			13	G	31.29	Feb. 16	W	143 57 25.21
Dec. 17	C	178 40 33.58	18	G	32.25	Mar. 14	C	26.52
Lacaille 1182.			19	C	32.77	Apr. 8	C	29.30
Dec. 6	C	171 20 60.58	A Octantis. S.P.			* 2. (Winnecke's Comet.)		
30	G	61.39	Sept. 18	G	178 29 39.48	Mar. 13	G	143 49 47.50
31	I	58.31	20	C	38.63	28	G	48.58
Lacaille 1204.			24	C	38.49	Apr. 10	G	47.56
Dec. 31	I	165 1 37.08	25	G	39.41	μ Hydræ.		
Lacaille 1280.			26	I	39.65	Apr. 11	C	106 11 0.93
Dec. 12	I	167 30 9.24	Oct. 1	G	38.35	δ Leonis.		
18	G	10.35	* 4. (Tempel's Comet.)			Mar. 21	C	85 41 44.31
19	C	11.05	Feb. 16	W	158 59 44.86	Apr. 8	C	44.28
			Mar. 4	W	44.98	11	C	44.23
			13	G	43.42	δ Crateris.		
			18	G	44.21	Apr. 19	G	104 5 10.01

R.A. 11^h. 21^m. to 13^h. 15^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
τ Leonis.			η Virginis. •			Lacaille 5338.		
Mar. 19	C	86 26 20.85	Apr. 5	G	89 57 18.94	July 3	C	170 27 37.89
Apr. 11	C	20.94				5	C	37.15
υ Leonis.			* 5. (Tuttle's Comet.)			Lacaille 5338. S.P.		
Apr. 8	C	90 7 1.37	Mar. 13	G	151 47 28.73			
19	G	1.92	14	C	29.62	Oct. 23	G	170 27 38.25
β Leonis.			19	C	30.07	Lacaille 5373.		
Apr. 5	G	74 42 44.05	20	I	27.91			
19	G	44.09	21	C	29.07	July 3	C	173 46 49.35
* 1. (Tuttle's Comet.)			Lacaille 5266.			5	C	48.36
Mar. 4	W	140 3 2.47	July 5	C	170 0 11.34	Lacaille 5373. S.P.		
14	C	4.29	Lacaille 5266. S.P.					
19	C	3.51	Oct. 23	G	170 0 11.32	Oct. 23	G	173 46 50.26
20	I	3.21	24	C	12.95	θ Virginis.		
* 2. (Tuttle's Comet.)			δ Crucis.			Mar. 18	G	94 51 18.08
Mar. 14	C	144 53 28.62				19	C	18.92
19	C	29.98	Apr. 19	G	148 59 18.40	Apr. 9	I	16.67
21	C	28.30	* 6. (Tuttle's Comet.)			11	C	17.84
28	G	27.95				Lacaille 5477.		
* 3. (Tuttle's Comet.)			Mar. 13	G	154 53 36.29			
Mar. 4	W	144 43 3.30	14	C	37.44	July 5	C	168 16 46.68
20	I	3.22	19	C	39.66	Lacaille 5477. S.P.		
Apr. 5	G	3.00	21	C	36.59			
δ Crucis.			35 Virginis.			Oct. 23	G	168 16 46.60
Mar. 14	C	148 2 10.87				29	G	46.04
19	C	11.70	Apr. 5	G	85 43 39.86	ι Muscæ or Lacaille 5486.		
20	I	11.63	δ Virginis.					
21	C	11.02				July 3	C	164 13 49.78
28	G	11.36	Apr. 9	I	85 54 22.95			

R.A. 13^h. 18^m. to 14^h. 30 .

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
α Virginis.			Lacaille 5633. S.P.			Lacaille 5805. S.P.		
Mar. 18	G	100 29 32.17	Nov. 15	G	172 1 47.53	Nov. 15	G	165 51 13.38
21	C	32.59	Lacaille 5672.			Lacaille 5836.		
Apr. 9	I	31.93	July 3	C	172 17 44.05	June 3	C	155 5 57.11
11	C	32.93	Lacaille 5672. S.P.			4	G	56.60
Lacaille 5519.			Nov. 15	G	172 17 44.37	* 8. (Tuttle's Comet.)		
July 5	C	173 15 7.58	19	G	43.26	Mar. 14	C	164 26 55.26
Lacaille 5519. S.P.			Lacaille 5694.			19	C	55.29
Oct. 24	C	173 15 8.68	July 5	C	167 57 46.27	Apr. 10	G	53.96
Nov. 15	G	8.84	Lacaille 5694. S.P.			Lacaille 5866.		
* 7. (Tuttle's Comet.)			Dec. 10	G	167 57 48.52	July 3	C	168 2 5.75
Mar. 14	C	160 46 24.94	12	I	47.43	5	C	5.48
19	C	20.98	β Centauri.			Lacaille 5866. S.P.		
20	I	20.74	Mar. 18	G	149 45 13.83	Nov. 19	G	168 2 4.94
Apr. 5	G	21.22	Apr. 10	G	13.23	Lacaille 5913.		
Lacaille 5565.			May 27	C	13.88	July 3	C	169 25 47.39
July 3	C	165 51 7.18	Oct. 17	C	13.33	5	C	47.72
Lacaille 5565. S.P.			30	C	12.49	Lacaille 5913. S.P.		
Nov. 19	G	165 51 7.68	γ Virginis.			Nov. 19	G	169 25 49.12
Dec. 10	G	9.07	Apr. 9	I	87 50 4.48	Z Octantis. S.P.		
ζ Virginis.			Lacaille 5805.			Dec. 19	C	177 37 9.17
Apr. 10	G	89 56 24.97	July 3	C	165 51 11.30	α^2 Centauri.		
Lacaille 5633.			5	C	11.73	May 27	C	150 18 23.88
July 3	C	172 1 45.51				Sept. 19	C	22.57
5	C	45.93				ct. 17	C	25.06

R.A. 14^h. 30^m. to 16^h. 3^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
α ¹ Centauri.			Lacaille 6174. S.P.			Lacaille 6449.		
May 27	C	150 18 14.91	Dec. 10	G	168 38 49.86	July 12	C	167 20 25.03
Sept. 19	C	14.25	18	G	48.82	Lacaille 6449. S.P.		
Oct. 17	C	14.59	Lacaille 6191.			Dec. 18	G	167 20 25.54
Lacaille 6022.			July 3	C	166 52 7.86	* 9. (Tuttle's Comet.)		
July 3	C	166 38 16.17	5	C	9.27	Apr. 11	C	168 10 1.58
5	C	17.11	Lacaille 6191. S.P.			Lacaille 6484.		
Lacaille 6022. S.P.			Dec. 17	C	166 52 9.90	July 19	S	167 38 39.47
Nov. 19	G	166 38 19.52	30	G	10.40	Lacaille 6527. S.P.		
Lacaille 6088.			Lacaille 6242.			Dec. 24	I	166.52 17.63
July 5	C	166 38 24.41	July 5	C	168 50 46.77	Lacaille 6552.		
Lacaille 6088. S.P.			Lacaille 6242. S.P.			July 12	C	166.52 54.56
Dec. 10	G	166 38 26.50	Dec. 10	G	168 50 48.09	Lacaille 6552. S.P.		
12	I	28.04	12	I	48.26	Dec. 18	G	166 52 55.08
ξ ¹ Libræ.			ξ ¹ Libræ.			Lacaille 6575.		
Apr. 10	G	100 53 28.75	May 27	C	106 16 5.99	July 19	S	172 14 28.00
Lacaille 6108.			* 3. (Tempel's Comet.)			Lacaille 6575. S.P.		
July 3	C	169 48 30.02	Apr. 11	C	172 56 43.44	Dec. 17	C	172 14 31.11
Lacaille 6108. S.P.			Lacaille 6381.			18	G	29.20
Dec. 10	G	169 48 32.21	July 12	C	165 39 23.82	Lacaille 6572.		
18	G	31.78	Lacaille 6381. S.P.			July 12	C	173 17 1.95
Lacaille 6169.			Dec. 12	I	165 39 24.62	18	C	3.63
July 5	C	164 57 49.79	19	C	25.34	Aug. 8	G	2.39

R.A. 16^h. 6^m. to 17^h 10^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 6687. S.P.			Lacaille 6791.			Lacaille 6992.		
Dec. 17	C	165 21 42.74	July 12	C	168 45 35.30	Aug. 8	G	166 1 56.80
18	G	43.00						
Lacaille 6750.			β Apodis or Lacaille 6817.			Lacaille 7020.		
July 18	C	164 54 32.08	Aug. 8	G	167 14 37.04	July 12	C	164 52 57.55
19	S	29.89				Aug. 8	G	59.06
Aug. 8	G	32.19	β Apodis. S.P.			Lacaille 7018.		
Lacaille 6727.			Dec. 18	G	167 14 39.77	Aug. 8	G	168 13 50.57
July 12	C	168 36 13.51	24	I	41.44		G	49.43
Lacaille 6727. S.P.			Lacaille 6869.			Lacaille 7002.		
Dec. 12	I	168 36 15.08	July 18	C	169 50 57.78	Aug. 8	G	172 38 20.95
Lacaille 6696.			Aug. 9	I	57.28	9	I	20.21
Aug. 8	G	172 58 15.59	6.7 Mag. Lacaille 6828.			22	I	18.46
Lacaille 6696. S.P.			Aug. 8	G	172 7 22.05	Lacaille 7062.		
Dec. 18	G	172 58 14.86	8.9 Mag. * R.A. 16 ^h . 43 ^m . 16.			July 19	S	168 54 50.38
19	C	14.91	Aug. 8	G	172 6 49.36	Aug. 3	S	53.58
Lacaille 6773.			Lacaille 6948.			21	G	51.74
Aug. 9	I	167 3 47.83	Aug. 9	I	166 0 17.04	Lacaille 7127.		
Lacaille 6773. S.P.			Lacaille 6939.			July 12	C	165 11 51.05
Dec. 24	I	167 3 50.57	July 19	S	167 52 32.04	18	C	50.54
30	G	(54.40)	Lacaille 6905.			Aug. 8	G	51.38
Lacaille 6808 or 6811.			Aug. 3	S	172 12 5.17	Lacaille 7088.		
July 18	C	165 13 3.87	Lacaille 6905. S.P.			Aug. 17	G	170 43 56.21
19	S	2.27	Dec. 30	G	172 12 5.85	21	G	54.50
Aug. 8	G	3.80				Lacaille 7105.		
						Aug. 9	I	170 57 6.82
						22	I	8.19

R.A. 17^h. 17^m. to 18^h. 40^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 7090.			Lacaille 7361.			Lacaille 7562.		
July 12	C	174 1 58.62	Aug. 17	G	167 47 29.10	Sept. 3	G	171 53 51.91
18	C	58.64	22	I	28.64	4	C	52.17
Aug. 8	G	58.01	Lacaille 7327.			Lacaille 7548.		
Lacaille 7229.			July 18	C	171 27 43.39	Sept. 3	G	173 40 22.36
Aug. 3	S	168 36 33.93	Aug. 3	S	43.39	4	C	21.33
8	G	33.78	8	G	42.66	Lacaille 7664.		
9	I	32.96	Lacaille 7462.			Sept. 3	G	168 10 7.06
Lacaille 7184.			July 18	C	165 6 13.85	Lacaille 7615.		
July 18	C	173 10 41.28	Sept. 4	C	14.00	Aug. 21	G	173 33 12.92
19	S	39.82	Lacaille 7348.			22	I	13.33
Aug. 8	G	40.37	Sept. 3	G	174 25 8.76	Lacaille 7700.		
Lacaille 7319.			Lacaille 7486.			Sept. 3	G	167 59 28.45
July 12	C	166 8 24.97	Sept. 3	G	167 5 34.32	4	C	27.07
Aug. 8	G	24.54	4	C	33.49	20	C	27.79
9	I	23.40	Lacaille 7515.			Lacaille 7699.		
Lacaille 7275.			Sept. 3	G	169 58 23.92	Aug. 2	C	170 51 50.94
Aug. 17	G	171 24 14.01	Lacaille 7525.			27	C	50.08
21	G	14.44	Sept. 3	G	170 17 8.92	Sept. 3	G	50.12
22	I	14.39	4	C	10.41	Lacaille 7781.		
Lacaille 7332.			σ Octantis.			Aug. 22	I	165 5 49.55
July 18	C	165 59 58.00	Aug. 17	G	179 16 41.14	Sept. 4	C	50.11
Sept. 3	G	58.45	21	G	41.34	13	I	48.67
4	C	58.37	σ Octantis. S.P.			Lacaille 7705.		
Lacaille 7372.			Oct. 23	G	179 16 45.33	Aug. 2	C	173 39 11.90
Aug. 21	G	166 8 32.62	Dec. 30	G	42.76	20	C	11.14
						Sept. 18	G	10.76

R.A. 18^h. 42^m. to 19^h. 55^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 7822.			Lacaille 8020.			Lacaille 8179.		
Aug. 27	C	165 32 47.81	Aug. 27	C	165 25 2.43	Aug. 2	C	169 10 13.82
Sept. 3	G	47.57	Sept. 13	I	1.07	Sept. 20	C	13.14
4	C	47.42	18	G	3.87	24	C	13.05
Lacaille 7877.			♂ Aquilæ.			25	G	12.59
Aug. 2	C	164 56 13.03	June 4			Lacaille 8188.		
22	I	12.47	G	87 8 18.07		Sept. 26	I	169 46 4.52
27	C	14.52	Lacaille 8076.			27	C	5.47
Lacaille 7751.			Aug. 2	C	167 51 17.92	Oct. 1	G	6.36
Sept. 3	G	174 56 1.98	20	C	17.11	* R.A. 19 ^h . 48 ^m . 18 ^s .		
13	I	1.03	27	C	18.22	Sept. 18	G	169 13 1.03
19	I	0.32	Lacaille 8108.			Lacaille 8218.		
Lacaille 7890.			Sept. 18	G	165 3 22.62	Aug. 22	I	169 28 9.98
Sept. 18	G	166 35 23.96	20	C	23.65	Sept. 4	C	10.19
24	C	27.10	24	C	22.97	19	I	9.77
25	G	24.89	Lacaille 8118.			Lacaille 8236.		
Lacaille 7884.			Sept. 4	C	167 12 33.55	Sept. 18	G	167 26 48.45
Sept. 27	C	168 3 34.12	18	G	32.89	25	G	48.49
Lacaille 7906.			24	C	33.29	26	I	47.46
Sept. 27	C	167 14 53.72	Lacaille 8094.			Lacaille 8252.		
Lacaille 7935.			Aug. 2	C	171 39 46.19	Sept. 24	C	165 6 49.80
Sept. 13	I	166 0 24.13	Sept. 25	G	46.00	Oct. 1	G	50.00
19	I	25.26	26	I	44.81	Lacaille 8240.		
25	G	25.47	Lacaille 8172.			Aug. 2	C	169 57 2.99
Lacaille 7975.			Sept. 4	C	167 37 44.95	Sept. 20	C	2.86
Aug. 2	C	164 52 50.55	18	G	44.34	25	G	3.08
20	C	49.51	19	I	43.35			
27	C	50.19						

R.A. 19^h. 57^m. to 20^h. 58^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 8256.			Lacaille 8435.			Lacaille 8483.		
Sept. 19	I	169 22 59.33	Aug. 20	C	166 37 26.21	Sept. 26	I	171 5 55.69
26	I	57.48	Sept. 13	I	26.00	Oct. 1	G	56.67
Oct. 8	C	57.72	24	C	27.08			
B.A.C. 6919.			Lacaille 8443.			• Aquarii.		
June 4	G	153 47 47.15	Sept. 18	G	165 47 19.48	Oct. 3	G	99 57 44.52
			Oct. 1	G	20.50			
Lacaille 8281.			* R.A. 20 ^h . 26 ^m . 27 ^s .			Lacaille 8536.		
Aug. 22	I	169 59 6.04	Sept. 18	G	165 47 1.96	Sept. 18	G	166 30 5.45
Sept. 4	C	5.37	Oct. 1	G	2.73	24	C	7.16
13	I	5.00				25	G	6.69
Lacaille 8301.			Lacaille 8420.			Lacaille 8562.		
Sept. 18	G	169 21 3.22	Sept. 25	G	170 46 36.55	Sept. 26	I	165 54 53.66
19	I	3.36	Oct. 9	G	36.67	Oct. 9	G	54.83
26	I	1.68				15	G	56.23
Lacaille 8323.			Lacaille 8434.			Lacaille 8535.		
Aug. 20	C	169 47 45.44	Sept. 26	I	170 35 31.61	Sept. 25	G	171 11 26.46
			Oct. 8	C	31.42	Oct. 1	G	25.20
α Pavonis.			Lacaille 8473.			α Octantis or Lacaille 8570.		
Oct. 9	G	147 8 33.30	Sept. 13	I	168 35 51.62	Sept. 20	C	167 30 29.06
			20	C	51.69	24	C	29.67
Lacaille 8360.			24	C	52.39			
Aug. 20	C	171 42 54.96	Lacaille 8493.			Lacaille 8511.		
Sept. 13	I	55.34	Oct. 9	G	166 17 40.84	Sept. 26	I	174 47 42.94
20	C	55.69						
Lacaille 8413.			* 8 Mag. R.A. 20 ^h . 34 ^m . 47 ^s .			Lacaille 8618.		
Sept. 25	G	167 19 31.67	Sept. 25	G	166 22 25.63	Sept. 13	I	170 51 57.64
Oct. 1	G	33.76	Oct. 1	G	24.19			
8	C	31.76						

R.A. 20^h. 59^m. to 21^h. 59^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
B Octantis.			Lacaille 8785.			Lacaille 8909.		
Sept. 18	G	179 26 10.01	Sept. 26	I	165 58 14.02	Oct. 22	I	166 48 50.73
20	C	11.22	Oct. 17	C	13.91	23	G	51.02
24	C	11.85	25	I	14.37	Lacaille 8927.		
25	G	10.09	Lacaille 8817 or 8818.			Oct. 16	I	168 16 16.80
Oct. 1	G	10.94	Sept. 13	I	167 57 17.60	25	I	20.92
9	G	9.67	Oct. 1	G	19.08	29	G	20.23
15	G	12.42	17	C	19.16	* 9 ^h 1 ^m . R.A. 21 ^h . 49 ^m . 9 ^s .		
16	I	9.93	ξ Aquarii.			Oct. 9	G	167 55 24.41
Lacaille 8643.			Oct. 9	G	98 25 37.46	Lacaille 8935.		
Sept. 26	I	170 38 33.18	15	G	36.30	Sept. 26	I	167 55 13.81
Lacaille 8669.			λ Octantis or Lacaille 8798.			Oct. 9	G	13.69
Sept. 25	G	171 13 27.76	O t. 30	I	173 18 12.13	17	C	15.27
Oct. 1	G	24.73	Lacaille 8858.			Lacaille 8942.		
9	G	25.59	Oct. 3	G	146 18 54.14	Oct. 30	I	166 17 19.47
Lacaille 8711.			Lacaille 8850.			Lacaille 8897.		
Oct. 15	G	166 2 12.77	Sept. 13	I	168 48 32.00	Oct. 22	I	173 58 34.15
16	I	9.91	Oct. 17	C	32.72	23	G	33.77
25	I	11.99	22	I	32.10	29	G	34.05
Lacaille 8713.			ε Pegasi.			Lacaille 8991.		
Oct. 22	I	167 3 59.99	Oct. 8	C	80 42 38.96	Oct. 29	G	166 30 17.53
Lacaille 8702.			Lacaille 8864.			ε Aquarii.		
Sept. 18	G	172 28 52.64	Oct. 16	I	169 10 26.31	Oct. 8	C	90 56 25.94
25	G	53.66	23	G	27.26			
Oct. 1	G	54.39	25	I	28.37			
Lacaille 8750.								
Sept. 13	I	169 5 60.68						
Oct. 9	G	59.84						
15	G	60.18						

R.A. 22^h. 6^m. to 23^h. 1^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
C Octantis.			Lacaille 9122.			Lacaille 9216.		
Sept. 24	C	176 36 53.57	Oct. 17	C	169 25 45.08	Oct. 22	I	167 43 31.13
25	G	52.50	21	C	45.64	23	G	30.17
Oct. 1	G	53.41	22	I	45.21	24	C	29.45
9	G	52.31	Lacaille 9105.			Lacaille 9228.		
22	I	53.43	Oct. 29	G	173 28 25.72	Oct. 25	I	170 23 53.20
23	G	52.87	Nov. 6	I	24.66	29	G	54.11
Lacaille 9023.			Lacaille 9102.			Nov. 4	C	53.10
Oct. 16	I	169 55 54.45	Oct. 16	I	173 54 40.41	Lacaille 9262.		
24	C	54.80	Lacaille 9155.			Oct. 16	I	165 32 37.00
29	G	56.03	Nov. 8	I	163 22 18.29	21	C	40.16
Lacaille 9070.			η Aquarii.			23	G	38.40
Oct. 17	C	167 29 46.62	Oct. 8	C	90 46 35.68	Nov. 8	I	39.68
23	G	45.33	Lacaille 9123.			Lacaille 9273.		
24	C	45.92	Oct. 29	G	174 24 32.63	Oct. 24	C	165 40 31.40
Lacaille 9090.			Lacaille 9165.			Nov. 6	I	34.07
Oct. 16	I	165 39 44.09	Oct. 21	C	172 3 4.02	Lacaille 9260.		
21	C	46.20	22	I	2.95	Oct. 29	G	173 23 20.73
25	I	45.42	23	G	2.76	Nov. 4	C	20.88
29	G	45.32	Lacaille 9191.			Lacaille 9332.		
Lacaille 9112.			Nov. 8	I	165 29 19.47	Oct. 8	C	170 10 13.17
Oct. 15	G	148 25 56.57	Lacaille 9203.			23	G	12.73
Lacaille 9095.			Oct. 16	I	166 5 33.78	24	C	13.02
Oct. 24	C	168 51 49.18	25	I	36.17	25	I	13.46
Nov. 8	I	47.97	29	G	38.39	Lacaille 9355.		
Lacaille 9124.			Nov. 6	I	36.99	Oct. 29	G	171 36 22.26
Oct. 23	G	169 16 15.48						
24	C	14.76						
25	I	15.43						

R.A. 23^h. 1^m. to 23^h. 57^m.

Day.	Observer.	°	'	"	Day.	Observer.	°	'	"	Day.	Observer.	°	'	"
Lacaille 9362.					Lacaille 9493.					Lacaille 9602.				
Oct. 17	C	167	9	23.07	Nov. 8	I	164	54	23.31	Nov. 6	I	170	36	37.85
23	G			21.89							I			37.72
24	C			21.35	Lacaille 9494.						G			38.19
Lacaille 9378.					Oct. 16	I	168	5	29.49	Lacaille 9614.				
Oct. 22	I	171	12	42.22		G			30.17	Oct. 16	I	173	43	10.83
23	G			41.78		C			28.71		G			12.00
24	C			40.83	Lacaille 9525.						C			9.97
Lacaille 9389.					Oct. 16	I	167	34	36.11	Lacaille 9621.				
Oct. 25	I	170	7	54.54		G			36.85	Nov. 4	C	171	3	11.87
29	G			52.60		C			35.94		G			12.86
Nov. 6	I			54.17	Lacaille 9546.						I			11.94
τ Octantis.					Nov. 20	I	173	12	55.95	Lacaille 9651.				
Sept. 26	I	178	11	1.04						Oct. 22	I	172	52	52.66
Nov. 4	C			1.00	Lacaille 9558.						G			52.84
Lacaille 9392.					Nov. 4	C	164	55	31.27		G			53.20
Nov. 8	I	171	7	22.11		I			32.87	Lacaille 9691.				
Lacaille 9434.						G			33.64	Oct. 22	I	167	46	20.88
Oct. 17	C	168	29	22.04	Lacaille 9560.						G			19.98
25	I			21.32	Oct. 22	I	169	30	6.25		G			20.80
29	G			21.76		G			5.80	Lacaille 9704.				
Lacaille 9475.						C			5.03	Nov. 4	C	171	6	26.30
Nov. 20	I	171	32	3.41	Lacaille 9563.						G			26.68
Lacaille 9487.					Oct. 16	I	174	34	23.79		I			27.08
Oct. 25	I	164	50	26.00		G			25.25					
29	G			26.22		G			25.18					

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE

OF

CONCLUDED MEAN RIGHT ASCENSIONS

AND

MEAN NORTH POLAR DISTANCES,
FOR 1872, JANUARY 1,

OF

STARS OBSERVED IN THE YEAR 1872,

AND

STAR CONSTANTS COMPUTED FOR THE REDUCTIONS.

(THE NORTH POLAR DISTANCES ARE CORRECTED FOR DISCORDANCES BETWEEN
THE DIRECT AND REFLEXION OBSERVATIONS WHEN REDUCED
WITH THE NADIR POINT READING.)

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
1	Lacaille 9736. ...	7	0 1 43.20	0.85	3	+ 3.020	168 55 25.33	0.85	3	-20.06
2	α Andromedæ ...	2	0 1 46.45	.57	2	3.087				
3	Lacaille 9750.	7	0 3 58.76	.89	2	2.943	169 42 52.59	.89	2	20.05
4	Lacaille 9765.	7	0 5 48.16	.85	3	2.933	166 11 23.77	.85	3	20.05
5	γ Pegasi	3.2	0 6 38.77	.44	9	3.082				
6	Lacaille 30	6.7	0 10 1.74	.83	3	2.826	166 37 25.85	.83	3	20.04
7	Lacaille 33	6	0 11 6.57	.88	2	2.722	169 29 27.62	.88	2	20.03
8	Lacaille 47	7.6	0 13 29.74	.83	1	2.679				
9	β Hydri	3	0 18 59.19	.40	102	3.278	167 58 31.48	.82	2	20.25
10	12 Ceti	6	0 23 30.33	.84	13	3.059				
11	Lacaille 161.	6.7	0 32 2.84	.84	3	2.264	167 0 53.05	.84	3	19.86
12	Lacaille 168.	7	0 32 34.24	.90	3	2.296	166 18 44.46	.90	3	19.85
13	Lacaille 197.	7	0 36 9.40	.93	1	1.690	171 21 37.64	.93	1	19.81
14	Lacaille 212.	7	0 36 45.15	.85	3	1.129	173 44 9.53	.85	3	19.80
15	β Ceti	2	0 37 9.77	.44	14	3.012				
16	Lacaille 221.	6.7	0 40 36.02	.86	2	1.884	168 46 59.07	.86	2	19.74
17	Lacaille 235.	5.6	0 44 8.40	.88	3	2.074	165 37 15.53	.88	3	19.69
18	Lacaille 261.	7	0 48 47.49	.85	3	1.992	165 20 53.14	.85	3	19.60
19	Lacaille 267.	6.7	0 50 45.11	.88	3	+ 1.976	165 0 2.45	.88	3	19.57
20	*.....	7.8	0 50 59.68	.83	1	- 0.790	175 37 53.15	.83	1	19.56
21	Lacaille 295.	7	0 55 54.45	.84	3	+ 1.727	166 30 17.31	.84	3	19.46
22	*.....	7.8	0 56 2.22	.83	1	1.727	166 30 13.79	.84	2	19.46
23	ϵ Piscium	4	0 56 18.07	.89	3	3.111				
24	Lacaille 320.	7.8	1 0 59.80	.88	1	1.258	169 1 57.63	.88	1	19.35
25	Lacaille 330.	7	1 4 23.32	.93	1	1.423	167 21 28.09	.93	1	19.27
26	Lacaille 343.	7	1 7 21.80	.89	3	1.268	167 53 17.18	.89	3	19.20
27	Lacaille 361.	5	1 12 36	..	..	2.087	157 4 25.18	.81	1	19.06
28	Lacaille 397.	7	1 16 37.72	.87	3	1.060	167 42 15.25	.87	3	18.94
29	Lacaille 398.	7	1 16 43.95	.92	3	1.196	166 49 17.78	.92	3	18.94
30	θ Ceti	3	1 17 37.50	.33	2	2.996				
31	η Piscium	4.3	1 24 38.17	.84	1	3.199				
32	Lacaille 455.	7	1 25 13.22	.94	2	1.166	165 42 24.94	.92	2	18.68
33	Lacaille 491.	7	1 30 39.21	.91	4	0.489	168 43 32.76	.91	4	18.51
34	α Eridani	1	1 32 56	..	..	2.235	147 53 15.97	.27	14	18.42
35	ν Piscium.	5.4	1 34 46.23	.86	2	+ 3.114				

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
36	♌ Piscium.....	4	1 38 37	..	..	+ 3' 156	81 29 16' 58	0' 81	1	-18' 22
37	Lacaille 561.....	7	1 39 58' 10	0' 90	3	- 1' 477	172 55 44' 41	' 90	3	18' 18
38	Lacaille 558.....	7	1 42 19' 34	' 97	1	- 0' 448	170 41 44' 35	' 97	1	18' 09
39	Lacaille 634.....	6	1 45 3	..	..	- 4' 292	175 24 54' 66	' 95	1	17' 99
40	♈ Arietis	3' 2	1 47 34' 31	' 97	2	+ 3' 297				
41	Lacaille 633.....	7	1 50 51' 08	' 96	1	- 2' 224	173 18 26' 90	' 96	1	17' 75
42	Lacaille 621.....	7	1 53 49' 89	' 91	2	+ 0' 045	168 7 9' 35	' 91	3	17' 63
43	♌ Hydri S.P.....	2' 3	1 54 44' 05	' 42	1	+ 1' 855	152 11 35' 21	' 42	1	17' 59
44	Lacaille 625.....	7	1 55 45' 48	' 93	3	+ 0' 480	165 59 23' 73	' 93	3	17' 55
45	Lacaille 637.....	6' 5	1 56 6' 32	' 97	1	- 0' 255	168 58 28' 59	' 97	1	17' 54
46	Lacaille 679.....	6' 7	1 59 46' 81	' 95	3	- 1' 746	172 7 14' 49	' 95	3	17' 38
47	♌ Arietis	2	1 59 57' 62	' 93	1	+ 3' 366				
48	Lacaille 760.....	7	2 3 41' 36	' 97	2	- 5' 971	175 39 19' 89	' 94	3	17' 21
49	♌ Ceti	6	2 10 35' 95	' 96	5	+ 2' 987				
50	♌ Ceti.....	4	2 21 21' 31	' 96	3	3' 180				
51	Lacaille 788.....	7	2 23 44' 38	' 93	3	+ 0' 142	165 0 54' 37	' 93	3	16' 24
52	Lacaille 779 S.P.	6	2 25 4' 42	' 42	1	+ 1' 387	154 52 20' 24	' 42	2	16' 17
53	Lacaille 817.....	6' 7	2 27 47' 80	' 94	3	- 0' 226	166 18 41' 87	' 94	3	16' 03
54	♌ Hydri	5' 6	2 34 26' 82	' 97	3	- 1' 504	169 40 2' 71	' 97	3	15' 67
55	♌ Ceti	3' 4	2 36 40' 16	' 93	1	+ 3' 101				
56	Lacaille 1029 ...	7	2 40 4' 19	' 96	1	- 10' 158	176 16 56' 15	' 95	2	15' 36
57	Lacaille 928.....	7	2 40 44' 25	' 93	3	- 2' 005	170 21 46' 59	' 91	2	15' 32
58	♌ Hydri	4' 5	2 51 19' 52	' 98	3	- 0' 465	165 35 24' 83	' 98	3	14' 71
59	♌ Ceti	2' 3	2 55 35' 40	' 58	7	+ 3' 128				
60	Lacaille 1036 ...	7	3 0 45' 15	' 97	2	- 2' 362	170 6 3' 65	' 97	2	14' 14
61	♌ Arietis	4' 5	3 4 18' 74	' 97	3	+ 3' 418				
62	*.....	8	3 11 46	..	..	- 2' 272	169 28 39' 34	' 96	1	13' 42
63	Lacaille 1105 ...	6	3 11 57' 96	' 95	3	2' 272	169 28 27' 47	' 95	3	13' 42
64	Lacaille 1086 ...	7	3 12 46' 07	1' 00	1	0' 684	165 8 37' 30	1' 00	1	13' 37
65	Lacaille 1133 ...	7	3 18 23' 36	' 96	3	2' 311	169 17 40' 64	' 96	3	13' 00
66	Lacaille 1848 ...	7	3 21 49' 34	' 96	1	41' 562	178 40 34' 75	' 96	1	12' 77
67	Lacaille 1182 ...	7' 8	3 22 33' 66	' 98	3	3' 715	171 21 1' 47	' 98	3	12' 73
68	Lacaille 1204 ...	6' 7	3 31 56' 94	1' 00	1	- 0' 918	165 1 38' 61	1' 00	1	-12' 08
69	♌ Eridani.....	3	3 57 6' 92	' 96	1	+ 2' 882				
70	♌ Tauri	3	3 39 52' 72	' 98	2	+ 3' 552				

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
71	Lacaille 1280 ...	7	3 40 35.69	0.96	3	- 1.876	167 30 11.68	0.96	3	-13.90
72	γ Hydri	3	3 49 14.92	.48	18	- 1.021				
73	γ ¹ Eridani.....	3	3 52 3.41	.84	5	+ 2.794				
74	Lacaille 1396 ...	7	4 1 3.52	.95	1	- 1.904	166 52 15.88	.95	1	9.95
75	α ¹ Eridani.....	4.5	4 5 37.08	.98	4	+ 2.923				
76	γ Tauri.....	4	4 12 30.61	.97	1	+ 3.398				
77	Lacaille 1502 ...	6.7	4 18 13.03	1.00	1	- 1.813	166 7 13.41	1.00	1	8.62
78	ε Tauri.....	4.3	4 21 8.56	.95	1	+ 3.493				
79	α Tauri.....	1	4 28 34.51	.79	4	+ 3.435				
80	Lacaille 1702 ...	7	4 48 40.34	1.00	1	- 2.242	166 32 3.78	1.00	1	6.15
81	ε Leporis.....	4.3	5 0 2.54	.69	3	+ 2.536				
82	Lacaille 1829 ...	6	5 7 8.46	1.00	1	- 3.309	168 28 24.03	1.00	1	4.59
83	β Orionis.....	1	5 8 23.17	.08	2	+ 2.880	98 21 5.73	0.42	1	-4.46
84	β Tauri	2	5 18 12.11	.76	3	3.789				
85	δ Orionis	2	5 25 28.10	.33	2	3.064				
86	α Leporis.....	3	5 27 5.07	.33	2	2.646				
87	ε Orionis	2	5 29 43.23	.51	3	3.040				
88	α Columbæ	2	5 35 0.81	.34	1	2.179				
89	κ Orionis.....	3.2	5 41 41.09	.37	2	2.844				
90	α Orionis.....	Var.	5 48 14.55	.63	4	3.246				
91	ν Orionis.....	5.4	6 0 15.87	.35	1	3.426				
92	η Geminorum ...	3.4	6 7 9.15	.30	1	3.627				
93	μ Geminorum ...	3	6 15 13.03	.30	1	3.632				
94	β Canis Majoris..	3.2	6 17 3.70	.19	2	2.642				
95	γ Geminorum ...	2.3	6 30 18.91	1.00	1	3.466				
96	α Canis Majoris..	1	6 39 30.11	.74	1	2.646				
97	θ Canis Majoris..	4.5	6 48 14.59	1.00	1	2.797				
98	γ Canis Majoris..	4.5	6 57 58.08	.08	1	2.717				
99	β Canis Minoris..	3	7 20 12.50	.40	1	3.261				
100	α ² Geminorum...	2.1	7 26 25.77	.40	1	3.841				
101	α Canis Minoris..	1	7 32 35.98	.49	3	3.144				
102	β Geminorum...	1.2	7 37 28.85	.53	2	3.680				
103	Lacaille 2990 ...	7	7 43 39.12	.22	1	2.522				
104	ξ Argûs	4.3	7 43 54.68	.32	2	2.523				
105	6 Cancri	5	7 55 39.22	.22	2	+ 3.693				

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
106	15 Argûs.....	3	8 2 5'53	0'32	2	+ 2'554				
107	* 5. (Tempel's Comet.)	7	8 5 5'49	'20	4	1'095	149 58 34'01	0'20	4	+ 10'41
108	A Octantis S.P...	7	8 12 33'52	'74	4	-39'509	178 29 37'92	'73	6	10'97
109	d ¹ Cancrî.....	6	8 16 1'97	'22	2	+ 3'448				
110	* 4. (Tempel's Comet.)	9	8 24 19'20	'18	4	0'258	158 59 46'02	'18	4	11'81
111	η Cancrî	6	8 25 18'23	'25	4	3'478				
112	γ Cancrî	4'5	8 35 52'52	'28	2	3'491				
113	ε Hydræ	3'4	8 39 59'72	'23	9	3'183	83 6 45'71	'21	1	12'93
114	α Cancrî	4	8 51 29'08	'27	4	3'288				
115	κ Cancrî	5	9 0 48'70	'27	3	3'259				
116	83 Cancrî	6	9 11 50'10	'27	2	3'355				
117	α Hydræ	2	9 21 17'81	'38	8	2'947	98 6 18'11	'24	3	15'41
118	ξ Leonis	6	9 25 2'73	'24	3	3'248				
119	ο Leonis	4'3	9 34 19'03	'24	5	3'220				
120	ε Leonis	3	9 38 34'93	'24	1	3'419				
121	π Leonis	5	9 53 26'96	'24	1	3'176	81 20 33'91	'24	4	17'11
122	α Leonis	1'2	10 1 33'15	'45	4	3'201				
123	* 1. (Winnecke's Comet.)	9	10 11 19'44	'20	3	2'233	143 57 28'83	'20	3	17'84
124	* 2. (Winnecke's Comet.)	9	10 12 4'66	'24	3	2'243	143 49 49'70	'24	3	17'87
125	γ ¹ Leonis.....	2	10 12 54'94	'55	1	3'316				
126	μ Hydræ	4	10 19 53'95	'22	3	2'908	106 11 1'77	'28	1	18'17
127	ρ Leonis	4	10 26 4'18	'21	3	3'166				
128	34 Sextantis.....	6	10 36 0'84	'27	1	3'108				
129	ι Leonis	5	10 42 31'66	'26	2	3'157				
130	d Leonis	5	10 53 56'95	'31	1	3'101	85 41 44'97	'26	3	19'23
131	χ Leonis	5	10 58 24'81	'28	3	3'098				
132	δ Leonis	2'3	11 7 17'97	'31	2	3'201				
133	δ Crateris.....	3'4	11 12 56'49	'29	4	2'995	104 5 10'84	'30	1	19'45
134	τ Leonis	5	11 21 21'24	'28	2	3'086	86 26 21'60	'25	2	19'76
135	υ Leonis	5'4	11 30 23'71	'28	5	+ 3'069	90 7 2'38	'29	2	+ 19'86

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
136	β Leonis	2	11 42 31.71	.25	4	+3.064	74 42 44.66	.28	2	+20.10
137	* 1. (Tuttle's Comet.)	7.8	11 43 12.81	.20	3	2.955	140 3 5.20	.20	4	20.00
138	β Virginis	3.4	11 44 1.65	.28	2	3.076				
139	π Virginis	4.5	11 54 18.83	.30	3	3.077				
140	* 2. (Tuttle's Comet.)	8.9	11 57 59.42	.22	4	3.056	144 53 30.52	.22	4	20.05
141	* 3. (Tuttle's Comet.)	7	11 58 3.34	.22	3	3.056	144 43 4.98	.22	3	20.05
142	α Virginis	4	11 58 41.24	.27	1	3.074				
143	ϵ Corvi.....	3	12 3 32.61	.42	9	3.076				
144	δ Crucis	3	12 8 21.72	.22	5	3.150	148 2 13.11	.22	5	20.04
145	η Virginis	3.4	12 13 21.45	.36	8	3.065	89 57 19.67	.26	1	20.05
146	δ^2 Corvi	2.3	12 23 14.56	.34	7	3.110				
147	* 5. (Tuttle's Comet.)	9	12 25 1.55	.21	5	3.344	151 47 30.83	.21	5	19.94
148	β Corvi	2.3	12 27 39.95	.39	17	3.132				
149	Lacaille 5266 Lacaille 5266 S.P.	7	12 39 43.64	.71	3	4.383	170 0 12.75 11.31	.51 .81	1 2	19.75
150	β Crucis	2	12 40 15				148 59 19.21	.30	1	19.74
151	* 6. (Tuttle's Comet.)	8	12 41 16.77	.21	4	3.583	154 53 39.22	.21	4	19.73
152	35 Virginis	6	12 41 20.48	.27	1	3.054	85 43 40.56	.26	1	19.73
153	30 Comæ.....	6	12 43 3.17	.27	1	2.939				
154	31 Comæ.....	5	12 45 27.66	.27	1	2.932				
155	δ Virginis	3	12 49 9.36	.24	3	3.052	85 54 23.65	.27	1	19.59
156	Lacaille 5338 ... Lacaille 5338 S.P.	7	12 53 27.22	.61	3	4.914	170 27 38.93 37.41	.51 .81	2 1	19.51
157	ϵ Virginis	3.2	12 55 48.21	.21	2	3.006				
158	Lacaille 5373 ... Lacaille 5373 S.P.	7.8	13 1 27.34	.61	3	6.325	173 46 50.17 49.32	.51 .81	2 1	19.34
159	θ Virginis	4.5	13 3 19.46	.19	4	3.099	194 51 18.65	.24	4	19.33
160	Lacaille 5477 ... 5473 Lacaille 5477 S.P. 5473	7	13 13 53.53	.72	3	+5.118	168 16 48.14 45.55	.51 .82	1 2	+19.02

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
161	Lacaille 5486 ...	6.7	13 15 4.94	0.51	1	+4.598	164 13 51.34	0.50	1	+18.99
162	α Virginis	1	13 18 27.05	.73	5	3.150	100 29 33.22	.25	4	18.93
163	Lacaille 5519 ... Lacaille 5519 S.P.	6.7	13 23 24.57	.73	3	7.104	173 15 8.91 7.84	.51 .84	1 2	18.74
164	* 7. (Tuttle's Comet.)	10	13 25 44.33	.23	3	4.473	160 46 23.59	.22	4	18.67
165	Lacaille 5565 ... Lacaille 5565 S.P.	7	13 25 58.58	.77	3	5.015	165 51 8.69 7.67	.50 .91	1 2	18.66
166	ζ Virginis	3.4	13 28 10.40	.22	1	3.053	89 56 25.70	.27	1	18.59
167	m Virginis	6	13 34 53.71	.22	1	3.147				
168	Lacaille 5633 ... Lacaille 5633 S.P.	6.7	13 39 30.71	.63	3	7.095	172 1 47.08 46.64	.51 .87	2 1	18.19
169	τ Boötis	5.4	13 41 10.76	.22	1	2.886				
170	Lacaille 5672 ... Lacaille 5672 S.P.	7	13 46 4.32	.75	3	7.492	172 17 45.41 42.93	.50 .88	1 2	17.94
171	Lacaille 5694 ... Lacaille 5694 S.P.	6	13 47 26.90	.80	3	5.909	167 57 47.73 47.21	.51 .95	1 2	17.89
172	η Boötis	3	13 48 35.35	.26	4	2.858				
173	β Centauri	1	13 54 48	..	..	4.163	149 45 14.15	.50	5	17.66
174	τ Virginis	4.5	13 55 7.99	.22	1	3.049	87 50 5.19	.27	1	17.57
175	Lacaille 5805 ... Lacaille 5805 S.P.	7	14 1 49.04	.63	3	5.764	165 51 13.03 12.67	.51 .87	2 1	17.29
176	Lacaille 5836 ...	7	14 4 45.39	.42	1	4.564	155 5 58.58	.42	2	17.16
177	κ Virginis	4.5	14 6 4.23	.40	1	3.191				
178	α Boötis	1	14 9 49.31	.73	9	2.734				
179	* 8. (Tuttle's Comet.)	8	14 12 17.47	.23	4	5.694	164 26 56.39	.23	3	16.81
180	Lacaille 5866 ... Lacaille 5866 S.P.	6.7	14 12 52.11	.63	3	6.532	168 2 7.08 4.17	.51 .88	2 1	16.77
181	f Boötis	5	14 20 30.22	.42	1	2.795				
182	Lacaille 5913 ... Lacaille 5913 S.P.	7.8	14 21 55.94	.63	3	7.236	169 25 48.99 48.31	.51 .88	2 1	16.33
183	Z Octantis S.P.	6.7	14 28 5	..	..	22.433	177 37 8.11	.97	1	16.01
184	α^1 Centauri	2.3	14 30 55	..	..	4.038	150 18 15.38	.64	3	15.01
185	α^2 Centauri	1.0	14 30 55	..	..	+4.038	150 18 24.64	.64	3	+15.01

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
186	Lacaille 6022 ... Lacaille 6022 S.P.	6.7	14 36 53.79	0.63	3	+6.634	166 38 18.14 18.79	0.51 .88	2 1	+15.53
187	♄ Boötis	2.3	14 39 23.85	.42	1	2.619				
188	Lacaille 6088 ... Lacaille 6088 S.P.	6.7	14 45 15.32	.80	3	6.840	166 38 25.91 26.54	.51 .95	1 2	15.05
189	♄ Libræ	6	14 49 49	..	..	..	100 53 29.56	.27	1	14.80
190	Lacaille 6108 ... Lacaille 6108 S.P.	7	14 50 28.69	.80	3	8.113	169 48 31.43 31.17	.50 .95	1 2	14.75
191	Lacaille 6169 ...	7.6	14 55 52.17	.51	1	6.530	164 57 51.32	.51	1	14.43
192	Lacaille 6174 S.P.	7.6	14 58 21.15	.95	2	7.750	168 38 48.55	.95	2	14.28
193	♄ Boötis	4.5	14 58 57.64	.42	1	2.570				
194	Lacaille 6191 ... Lacaille 6191 S.P.	7	15 0 42.71	.74	4	7.141	166 52 10.06 9.41	.51 .98	2 2	14.13
195	♄ Libræ	5.4	15 4 55.68	.35	2	3.410				
196	Lacaille 6242 ... Lacaille 6242 S.P.	7	15 9 58.27	.80	3	8.076	168 50 48.21 47.38	.51 .95	1 2	13.54
197	♄ Libræ	2	15 10 7.30	.27	1	3.218				
198	♄ Libræ	4	15 21 2.37	.27	1	3.372	106 16 6.82	.40	1	12.82
199	* 3. (Tempel's Comet.)	9	15 24 55.95	.28	1	11.497	172 56 44.77	.28	1	12.56
200	Lacaille 6381 ... Lacaille 6381 S.P.	6	15 26 15.42	.82	3	7.170	165 39 25.33 24.27	.53 .96	1 2	12.46
201	α Serpentis	2.3	15 37 57.83	.78	4	2.951				
202	Lacaille 6449 ... Lacaille 6449 S.P.	7	15 38 8.76	.75	2	7.924	167 20 26.51 24.79	.53 .96	1 1	11.63
203	* 9. (Tuttle's Comet.)	9.10	15 40 21.04	.28	1	8.305	168 10 3.04	.28	1	11.48
204	Lacaille 6484 ...	6	15 42 10.82	.55	1	8.173	167 38 40.93	.55	1	11.34
205	ε Serpentis	3.4	15 44 26.20	.27	1	2.977				
206	Lacaille 6527 S.P.	7	15 48 10.69	.98	1	7.882	166 52 16.89	.98	1	10.91
207	Lacaille 6552 ... Lacaille 6552 S.P.	7	15 51 9.42	.75	2	7.930	166 52 56.05 54.34	.53 .96	1 1	10.68
208	β ¹ Scorpii.....	2	15 57 59.77	.49	4	3.477				
209	Lacaille 6575 ... Lacaille 6575 S.P.	7	16 1 20.25	.82	3	11.610	172 14 29.36 29.27	.55 .96	1 2	9.91
210	Lacaille 6572 ...	7	16 3 35.87	.56	3	+13.004	173 17 3.99	.56	3	+9.73

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			h m s			s	° ' "			"
211	Lacaille 6687 S.P.	7	16 6 1.99	0.80	3	+7.573	165 21 42.18	0.96	2	+9.56
212	δ Ophiuchi	3	16 7 38.32	.68	5	3.136				
213	Lacaille 6750 ...	6.7	16 13 39.65	.57	3	7.508	164 54 32.92	.57	3	8.97
214	Lacaille 6727 ... Lacaille 6727 S.P.	4	16 13 53.90	.66	3	9.010	168 36 14.96 14.29	.53 .95	1 1	9.02
215	γ Herculis	3	16 16 16.45	.28	1	2.647				
216	Lacaille 6696 ... Lacaille 6696 S.P.	6.7	16 17 27.89	.84	3	12.853	172 58 16.92 13.97	.60 .97	1 2	8.66
217	Lacaille 6773 ... Lacaille 6773 S.P.	8.7	16 18 34.08	.86	3	8.334	167 3 49.32 49.83	.61 .98	1 1	8.58
218	α Scorpii	1.2	16 21 33.62	.82	5	3.668				
219	Lacaille 6808 6811	7	16 22 30.88	.57	3	7.689	165 13 4.84	.57	3	8.19
220	Lacaille 6791 ...	7.6	16 22 50.13	.53	1	9.207	168 45 36.74	.53	1	8.24
221	Lacaille 6817 ... Lacaille 6817 S.P.	5	16 24 51.61	.76	4	8.478	167 14 38.53 39.87	.60 .97	1 2	8.08
222	ζ Ophiuchi	3.2	16 30 6.62	.55	1	3.296				
223	Lacaille 6869	7.8	16 36 19.75	.55	3	10.050	169 50 58.94	.58	2	7.15
224	Lacaille 6828 ...	6.7	16 43 13.36	.60	1	12.199	172 7 23.41	.60	1	6.58
225	*.....	8.9	16 43 16.31	.60	1	12.188	172 6 50.72	.60	1	6.58
226	Lacaille 6948 ...	7	16 43 20.53	.61	1	8.141	166 0 18.55	.61	1	6.57
227	Lacaille 6939 ...	7	16 44 10.07	.55	1	8.962	167 52 33.50	.55	1	6.50
228	Lacaille 6905 ... Lacaille 6905 S.P.	7	16 45 59.65	.69	3	12.333	172 12 6.53 4.96	.59 1.00	1 1	6.35
229	Lacaille 6992 ...	7.6	16 49 37.90	.60	1	8.198	166 1 58.31	0.60	1	6.05
230	κ Ophiuchi ...	3.4	16 51 36.61	.64	1	2.834				
231	Lacaille 7020 ...	7	16 52 35.96	.57	2	7.811	164 52 59.84	.57	2	5.80
232	Lacaille 7018 ...	7	16 55 20.09	.62	2	9.238	168 13 51.46	.62	2	5.57
233	ε Herculis	3.4	16 55 23.65	.27	1	2.297				
234	Lacaille 7002 ...	6.7	17 0 18.93	.62	3	13.078	172 38 21.21	.62	3	5.15
235	Lacaille 7062 ...	7	17 0 42.06	.59	3	9.671	168 54 53.34	.59	3	5.12
236	η Ophiuchi	2.3	17 3 2.32	.38	3	3.433				
237	Lacaille 7127 ...	6.7	17 5 33.78	.56	3	7.991	165 11 52.52	.56	3	4.71
238	Lacaille 7088 ...	6	17 7 34.53	.64	2	11.055	170 43 56.75	.64	2	4.53
239	α ¹ Herculis	Var.	17 8 48.67	.47	2	2.731				
240	Lacaille 7105 ...	7	17 10 21.96	.63	2	+11.275	170 57 8.90	.63	2	+4.29

224. 10^m has been erroneously subtracted from Lacaille's time of egress by Henderson.

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			h m s			s	° ' "			"
241	θ Ophiuchi	3.4	17 14 8.92	0.47	4	+3.677				
242	Lacaille 7090 ...	7	17 17 59.11	.56	3	15.653	174 1 59.73	0.56	3	+3.65
243	σ Ophiuchi	5	17 20 9.82	.47	2	2.974				
244	Lacaille 7229 ...	7	17 22 47.23	.60	3	9.623	168 36 35.01	.60	3	3.23
245	Lacaille 7184 ...	6.7	17 27 19.12	.57	3	14.135	173 10 41.82	.57	3	2.85
246	α Ophiuchi	2	17 28 59.63	.44	3	2.779				
247	Lacaille 7319 ...	7	17 31 40.80	.58	3	8.450	166 8 25.81	.58	3	2.46
248	Lacaille 7275 ...	7	17 32 43.57	.64	3	11.855	171 24 15.66	.64	3	2.37
249	Lacaille 7332 ...	7	17 32 55.59	.68	2	8.398	165 59 59.78	.63	3	2.35
250	β Ophiuchi	3	17 37 8.97	.32	4	2.964				
251	Lacaille 7372 ...	6.7	17 39 34.72	.64	1	8.471	166 8 34.13	.64	1	1.77
252	Lacaille 7361 ...	6.7	17 39 35.96	.64	2	9.228	167 47 30.33	.64	2	1.77
253	Lacaille 7327 ...	6.7	17 39 51.22	.58	3	11.945	171 27 44.53	.58	3	1.74
254	μ Herculis	3.4	17 41 26.96	.34	3	2.344				
255	89 Herculis	6	17 50 15.43	.28	2	2.418				
256	Lacaille 7462 ...	6.7	17 51 17.86	.62	2	8.095	165 6 15.46	.62	2	0.76
257	Lacaille 7348 ...	6.5	17 52 26.32	.67	1	16.748	174 25 10.06	.67	1	0.66
258	Lacaille 7486 ...	7	17 56 35.64	.68	2	8.906	167 5 35.40	.68	2	+0.29
259	γ Ophiuchi ...	3.4	18 1 16.91	.27	2	2.847				
260	Lacaille 7515 ...	7	18 3 39.82	.68	2	10.633	169 58 25.33	.67	1	-0.34
261	μ Sagittarii	4	18 6 6.47	.44	7	3.584				
262	Lacaille 7525 ...	6	18 6 13.69	.68	2	10.879	170 17 11.08	.68	2	0.56
263	σ Octantis	5.6	18 10 0.84	.73	4	109.107	179 16 42.40	.64	2	0.88
	σ Octantis S.P.						42.95	.91	2	
264	η Serpentis	3	18 14 41.26	.68	2	3.140				
265	Lacaille 7562 ...	6.7	18 15 54.10	.68	2	12.440	171 53 53.40	.68	2	1.41
266	Lacaille 7548 ...	7	18 19 23.37	.68	2	15.086	173 40 23.16	.68	2	1.71
267	λ Sagittarii	3	18 20 4.23	.47	2	3.707				
268	Lacaille 7664 ...	7.6	18 23 4.10	.67	1	9.422	168 10 8.52	.67	1	2.03
269	Lacaille 7615 ...	7	18 27 1.48	.64	2	14.822	173 33 14.45	.64	2	2.38
270	Lacaille 7700 ...	6.7	18 28 7.19	.69	3	9.309	167 59 29.23	.69	3	2.47
271	Lacaille 7699 ...	7	18 32 9.49	.64	3	11.302	170 51 51.77	.64	3	2.82
272	Lacaille 7781 ...	7	18 36 41.54	.67	3	8.031	165 5 50.97	.67	3	3.21
273	Lacaille 7705 ...	7	18 40 56.11	.65	3	14.900	173 39 12.59	.65	3	3.58
274	Lacaille 7822 ...	7	18 42 8.22	.67	3	8.172	165 32 49.12	.67	3	-3.68
275	β Lyræ	Var.	18 45 21.15	.73	1	+2.212				

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			h m s			s	° ' "			"
276	Lacaille 7877 ...	7	18 50 11.40	0.63	3	+7.920	164 56 14.87	0.63	3	- 4.37
277	Lacaille 7751 ...	7	18 52 12.78	.70	3	17.760	174 56 2.39	.70	3	4.56
278	Lacaille 7890 ...	7	18 52 47.72	.73	3	8.531	166 35 26.82	.73	3	4.59
279	Lacaille 7884 ...	7.6	18 53 43.58	.74	1	9.220	168 3 35.58	.74	1	4.67
280	Lacaille 7906 ...	7	18 55 47.97	.74	1	8.804	167 14 55.21	.74	1	4.85
281	Lacaille 7935 ...	6	18 58 57.09	.72	3	8.260	166 0 26.46	.72	3	5.11
282	ζ Aquilæ	3	18 59 31.59	.66	7	2.752				
283	Lacaille 7975 ...	7	19 4 11.53	.63	3	7.821	164 52 51.61	.63	3	5.64
284	ψ Sagittarii	6	19 7 41.29	.72	2	3.682				
285	Lacaille 8020 ...	7	19 11 42.40	.70	3	7.960	165 25 3.98	.69	3	6.18
286	ω Aquilæ	6.5	19 11 48.48	.69	6	2.814				
287	δ Aquilæ	3.4	19 19 2.58	.69	6	3.023	87 8 18.77	.42	1	6.78
288	Lacaille 8076 ...	7	19 23 8.44	.63	3	8.878	167 51 19.21	.63	3	7.13
289	Lacaille 8108 ...	7	19 27 8.85	.72	3	7.722	165 3 24.61	.72	3	7.45
290	η² Sagittarii	5.4	19 28 54.91	.54	3	3.656				
291	Lacaille 8118 ...	6.7	19 31 21.06	.71	3	8.498	167 12 34.73	.71	3	7.80
292	Lacaille 8094 ...	6	19 32 17.70	.69	3	11.461	171 39 47.04	.69	3	7.88
293	ε¹ Sagittarii	6	19 33 23.33	.47	3	3.438				
294	γ Aquilæ	3	19 40 10.43	.51	5	2.853				
295	Lacaille 8172 ...	7	19 40 16.56	.71	3	8.591	167 37 45.68	.71	3	8.51
296	Lacaille 8179 ...	7	19 44 4.27	.69	4	9.350	169 10 14.59	.69	4	8.81
297	α Aquilæ	1.2	19 44 32.24	.54	8	2.928				
298	Lacaille 8188 ...	7	19 45 55.94	.74	3	9.698	169 46 6.86	.74	3	8.96
299	*	8	19 48 17.89	.72	1	9.320	169 13 2.47	.72	1	9.14
300	β Aquilæ	4	19 49 1.52	.70	2	2.947				
301	Lacaille 8218 ...	7	19 50 41.24	.68	3	9.438	169 28 11.41	.68	3	9.33
302	Lacaille 8236 ...	7	19 50 58.06	.73	3	8.384	167 26 49.61	.73	3	9.35
303	Lacaille 8252 ...	6.7	19 52 48.29	.74	2	7.503	165 6 51.43	.74	2	9.49
304	Lacaille 8240 ...	7	19 55 0.78	.68	3	9.681	169 57 4.39	.68	3	9.66
305	Lacaille 8256 ...	7	19 57 13.62	.72	3	9.286	169 22 59.61	.74	3	9.83
306	B.A.C. 6919	6	20 1 23	..	..	..	153 47 47.91	.42	1	10.16
307	Lacaille 8281 ...	6	20 1 51.55	.67	3	9.594	169 59 6.88	.67	3	10.18
308	Lacaille 8301 ...	6.7	20 3 40.20	.72	2	9.168	169 21 4.18	.73	3	10.32
309	Lacaille 8323 ...	7	20 8 15.62	.64	1	9.357	169 47 46.86	.64	1	-10.68
310	α¹ Capricorni ...	4	20 10 33.02	.70	1	+3.331				

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			h m s			s	° ' "			"
311	α^2 Capricorni ...	3.4	20 10 57.05	0.59	1	+ 3.332				
312	α Pavonis.....	2	20 15 30	4.794	147 8 34.11	0.77	1	-11.15
313	Lacaille 8360 ...	5.6	20 16 28.52	.69	3	10.667	171 42 56.70	.69	3	11.26
314	ρ Capricorni.....	5	20 21 33.48	.73	3	3.425				
315	Lacaille 8413 ...	6.7	20 21 42.53	.75	3	7.913	167 19 33.89	.75	3	11.64
316	Lacaille 8435 ...	5	20 26 9.27	.69	3	7.587	166 37 27.93	.69	3	11.95
317	Lacaille 8443 ...	6	20 26 25.44	.73	3	7.308	165 47 21.50	.74	2	11.97
318	*	6.7	20 26 26.80	.73	3	7.308	165 47 3.86	.74	2	11.97
319	ϵ Delphini	4	20 27 5.92	.42	1	2.867				
320	Lacaille 8420 ...	7	20 27 40.22	.75	2	9.648	170 46 38.00	.75	2	12.06
321	Lacaille 8434 ...	7	20 30 11.63	.76	2	9.469	170 35 32.92	.76	2	12.23
322	α Delphini	4.3	20 33 41.53	.42	1	2.782				
323	Lacaille 8473 ...	7.8	20 34 7.55	.72	3	8.254	168 35 53.35	.72	3	12.50
324	Lacaille 8493 ...	7	20 34 20.86	.77	1	7.356	166 17 42.35	.77	1	12.51
325	*	8	20 34 47.25	.74	2	7.373	166 22 26.42	.74	2	12.55
326	Lacaille 8483 ...	7	20 38 39.30	.75	2	9.639	171 5 57.57	.75	2	12.81
327	ϵ Aquarii.....	4.3	20 40 44.69	.57	2	3.252	99 57 45.32	.76	1	12.94
328	Lacaille 8536 ...	7	20 43 11.46	.73	3	7.285	166 30 7.93	.73	3	13.11
329	Lacaille 8562 ...	7	20 46 43.76	.77	3	7.049	165 54 56.42	.77	3	13.35
330	Lacaille 8535 ...	6.7	20 47 18.85	.74	2	9.494	171 11 27.22	.74	2	13.39
331	Lacaille 8570 ...	5	20 49 6.91	.73	2	7.533	167 30 30.84	.73	2	13.50
332	Lacaille 8511 ...	7	20 56 24.99	.74	1	13.594	174 47 44.23	.74	1	13.97
333	Lacaille 8618 ...	6.5	20 58 49.06	.70	1	8.951	170 51 59.03	.70	1	14.12
334	B Octantis	6	20 59 1.67	.73	2	99.597	179 26 11.92	.75	8	14.12
335	Lacaille 8643 ...	7	21 4 18.80	.74	1	8.694	170 38 34.58	.74	1	14.46
336	ζ Cygni	3	21 7 29.30	.79	3	2.548				
337	Lacaille 8669 ...	8.7	21 8 23.67	.75	3	8.961	171 13 27.42	.75	3	14.70
338	Lacaille 8711 ...	7	21 9 31.18	.80	3	6.710	166 2 13.07	.80	3	14.76
339	Lacaille 8713 ...	6.7	21 10 35.78	.81	1	6.991	167 4 1.48	.81	1	14.83
340	ι Capricorni.....	4.5	21 15 6.98	.73	1	3.348				
341	Lacaille 8702 ...	6.7	21 15 7.05	.73	3	9.738	172 28 54.91	.73	3	15.10
342	Lacaille 8750 ...	6.7	21 17 32.57	.75	3	7.587	169 6 1.67	.75	3	15.23
343	Lacaille 8785 ...	7	21 20 4.37	.78	3	6.509	165 58 15.61	.78	3	15.37
344	β Aquarii	3	21 24 49.13	.76	10	3.161				
345	Lacaille 8817 8818 ...	4.5	21 27 8.42	.75	3	+6.945	167 57 20.07	.75	3	-15.76

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
346	ξ Aquarii.....	5.4	21 30 56.12	0.72	1	+3.193	98 25 37.68	0.78	2	-15.96
347	Lacaille 8798 ...	5	21 31 2.68	.83	1	9.961	173 18 13.46	.83	1	15.97
348	Lacaille 8858 ...	6	21 31 31	..	..	4.292	146 18 54.96	.76	1	15.92
349	Lacaille 8850 ...	7	21 35 37.86	.77	3	7.049	168 48 33.71	.77	3	16.21
350	ε Pegasi	2.3	21 37 53.92	.73	5	2.948	80 42 39.60	.77	1	16.32
351	Lacaille 8864 ...	7	21 38 47.27	.81	3	7.108	169 10 28.75	.81	3	16.37
352	Lacaille 8909 ...	6.7	21 44 13.58	.80	3	6.255	166 48 52.37	.81	2	16.64
353	16 Pegasi.....	5.6	21 47 14.29	.77	1	2.727				
354	Lacaille 8927 ...	6.7	21 48 23.83	.81	3	6.566	168 16 20.78	.81	3	16.84
355	*	9.10	21 49 9	..	..	..	167 55 25.87	.77	1	16.88
356	Lacaille 8935 ...	7	21 49 11.30	.77	3	6.444	167 55 15.72	.77	3	16.88
357	Lacaille 8942 ...	6.7	21 49 41.42	.83	1	6.020	166 17 20.98	.83	1	16.91
358	Lacaille 8897 ...	7	21 50 39.76	.82	3	9.836	173 58 35.30	.82	3	16.95
359	Lacaille 8991 ...	6.7	21.58 31.57	.83	1	5.886	166 30 19.03	.83	1	17.31
360	α Aquarii.....	3	21.59 12.50	.78	7	3.080	90 56 26.68	.77	1	17.31
361	C Octantis	6	22 6 22.56	.77	6	13.824	176 36 54.25	.77	6	17.64
362	Lacaille 9023 ...	7	22 6 47.33	.81	3	6.637	169 55 56.50	.81	3	17.66
363	θ Aquarii.....	4.5	22 10 4.66	.77	3	3.169				
364	Lacaille 9070 ...	7	22 11 57.30	.80	3	5.807	167 29 47.44	.80	3	17.87
365	Lacaille 9090 ...	6	22 14 40.10	.81	4	5.391	165 39 46.78	.81	4	17.98
366	γ Aquarii.....	4.3	22 15 2.65	.75	1	3.094				
367	Lacaille 9112 ...	6	22 16 25	..	..	4.033	148 25 57.37	.79	1	18.00
368	Lacaille 9095 ...	6.7	22 17 33.12	.83	2	6.017	168 51 50.02	.83	2	18.08
369	Lacaille 9124 ...	7	22 23 6.00	.81	3	5.963	169 16 16.66	.81	3	18.29
370	Lacaille 9122 ...	6	22 23 8.18	.80	3	6.007	169 25 46.74	.80	3	18.29
371	Lacaille 9105	7	22 23 32.78	.84	2	7.838	173 28 26.52	.84	2	18.31
372	Lacaille 9102	6.7	22 23 51.90	.79	1	8.165	173 54 41.72	.79	1	18.31
373	σ Aquarii.....	5.4	22 23 52.34	.75	1	3.182				
374	Lacaille 9155.....	7	22 26 14.01	.85	1	4.853	163 22 19.87	.85	1	18.40
375	η Aquarii	4.3	22 28 46.64	.79	4	3.082	90 46 36.42	.77	1	18.48
376	Lacaille 9123	7	22 29 21.92	.83	1	8.322	174 24 33.93	.83	1	18.51
377	Lacaille 9165	5	22 32 48.78	.81	3	6.621	172 3 4.60	.81	3	18.63
378	Lacaille 9191	7	22 34 6.45	.85	1	4.982	165 29 20.99	.85	1	18.63
379	ζ Pegasi	3.4	22 35 4.70	.81	4	2.986				
380	Lacaille 9203	6.7	22 36 3.42	.82	4	+5.004	166 5 37.84	.82	4	-18.73

355. The right ascension is filled in from the observer's estimation.

No.	Star's Name.	Magnitude.	Mean R.A. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1872, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			^h ^m ^s			^s	^o ['] ["]			["]
381	Lacaille 9216....	5.6	22 38 56.62	.81	3	+ 5.200	167 43 31.72	.81	3	-18.81
382	Lacaille 9228....	7	22 43 29.53	.83	3	5.657	170 23 54.88	.83	3	18.95
383	μ Pegasi	4	22 43 49.69	.77	1	2.878				
384	Lacaille 9262....	7	22 44 38.31	.82	4	4.745	165 32 40.33	.82	4	18.98
385	λ Aquarii.....	4	22 45 56.22	.77	1	3.134				
386	Lacaille 9273....	7	22 46 10.64	.83	2	4.728	165 40 34.25	.83	2	19.03
387	Lacaille 9260....	7	22 49 24.40	.84	2	6.562	173 23 22.14	.84	2	19.11
388	α Piscis Australis	1.2	22 50 34.31	.61	14	3.327				
389	Lacaille 9332....	5.6	22 57 51.98	.80	4	5.135	170 10 14.51	.80	4	19.33
390	α Pegasi	2	22 58 23.10	.65	7	2.983				
391	Lacaille 9355....	6	23 1 21.85	.83	1	5.360	171 36 23.63	.83	1	19.40
392	Lacaille 9362....	7	23 1 22.83	.80	3	4.553	167 9 23.59	.80	3	19.41
393	Lacaille 9378....	7	23 5 58.89	.81	3	5.087	171 12 43.00	.81	3	19.50
394	Lacaille 9389....	7	23 7 34.59	.83	3	4.811	170 7 55.18	.83	3	19.54
395	τ Octantis	6	23 7 40.60	.79	2	12.617	178 11 2.21	.79	2	19.53
396	Lacaille 9392....	7	23 7 44.60	.85	1	5.003	171 7 23.50	.85	1	19.54
397	γ Piscium	4	23 10 31.71	.79	1	3.106				
398	Lacaille 9434....	7	23 14 6.79	.81	3	4.375	168 29 23.16	.81	3	19.66
399	κ Piscium	5.4	23 20 22.17	.81	6	3.075				
400	Lacaille 9475....	7	23 22 48.55	.89	1	4.520	171 32 4.78	.89	1	19.79
401	Lacaille 9487....	7	23 23 3.00	.83	2	3.863	164 50 27.64	.83	2	19.80
402	Lacaille 9493....	7	23 24 23.24	.85	1	3.840	164 54 24.84	.85	1	19.81
403	Lacaille 9494....	5.6	23 24 59.74	.80	3	4.035	168 5 30.92	.80	5	19.82
404	Lacaille 9525....	5.6	23 30 23.15	.80	3	3.852	167 34 37.77	.80	3	19.89
405	ϵ Piscium	4.5	23 33 21.95	.87	3	3.084				
406	Lacaille 9546....	7	23 35 32.77	.89	1	4.265	173 12 57.28	.89	1	19.94
407	Lacaille 9558....	7	23 36 1.77	.85	3	3.589	164 55 34.12	.85	3	19.95
408	Lacaille 9560....	5	23 36 50.32	.81	3	3.798	169 30 7.11	.81	3	19.95
409	Lacaille 9563....	7	23 38 59.85	.81	3	4.356	174 34 26.03	.81	3	19.97
410	δ Sculptoris	4.5	23 42 15.28	.81	1	3.138				
411	Lacaille 9602....	7	23 43 30.79	.86	3	3.650	170 36 39.32	.86	3	20.00
412	Lacaille 9614....	6	23 46 0.59	.80	3	3.810	173 43 12.24	.80	3	20.02
413	Lacaille 9621....	7	23 46 14.77	.87	3	3.582	171 3 13.61	.87	3	20.02
414	Lacaille 9651....	5.6	23 50 27.26	.82	3	3.515	172 52 54.23	.82	3	20.04
415	ω Piscium	4	23 52 44.32	.86	5	3.078				
416	Lacaille 9691....	5.4	23 54 58.86	.82	3	3.206	167 46 22.01	.82	3	20.05
417	Lacaille 9704....	7	23 57 28.38	.87	3	+3.165	171 6 28.08	.87	3	-20.05

382. No star of the 7th magnitude nearer to Lacaille's place. Lacaille's place would appear to be in error about 5'.

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 9736.....	+9°5401	+7°4266	+0°4799	-9°5320	-8°9589	+9°9918	-1°3022	+7°8865
Lacaille 9750.....	+9°5718	+7°8173	+0°4687	-9°5648	-8°9769	+9°9929	-1°3022	+8°2454
Lacaille 9765.....	+9°4457	+7°8528	+0°4674	-9°4330	-9°1086	+9°9871	-1°3021	+8°4069
Lacaille 30.....	+9°4590	+8°1020	+0°4511	-9°4471	-9°1558	+9°9876	-1°3018	+8°6426
Lacaille 33.....	+9°5621	+8°2496	+0°4349	-9°5548	-9°1038	+9°9921	-1°3017	+8°6869
Lacaille 47.....	+9°5308	+8°3025	+0°4277	-9°5223	-9°1551	+9°9907	-1°3015	+8°7710
Lacaille 161	+9°4678	+8°6167	+0°3548	-9°4565	-9°3683	+9°9845	-1°2980	+9°1447
Lacaille 168	+9°4453	+8°6001	+0°3610	-9°4328	-9°3804	+9°9831	-1°2979	+9°1505
Lacaille 197	+9°6415	+8°8434	+0°2278	-9°6365	-9°3437	+9°9896	-1°2968	+9°1965
Lacaille 212	+9°7800	+8°9890	+0°0525	-9°7774	-9°3142	+9°9918	-1°2966	+9°2034
Lacaille 221	+9°5278	+8°7811	+0°2750	-9°5195	-9°4107	+9°9848	-1°2954	+9°2464
Lacaille 235	+9°4208	+8°7108	+0°3168	-9°4069	-9°4671	+9°9781	-1°2941	+9°2819
Lacaille 261	+9°4108	+8°7458	+0°2992	-9°3964	-9°4973	+9°9757	-1°2923	+9°3251
Lacaille 267	+9°4000	+8°7527	+0°2958	-9°3850	-9°5114	+9°9742	-1°2915	+9°3420
* { R.A. 0 ^h 51 ^m 0 ^s N.P.D. 175° 38'	+9°9312	+9°2858	-9°8974	-9°9299	-9°4033	+9°9879	-1°2914	+9°3438
Lacaille 295	+9°4426	+8°8389	+0°2372	-9°4305	-9°5267	+9°9748	-1°2892	+9°3832
Lacaille 320	+9°5288	+8°9645	+0°0996	-9°5208	-9°5326	+9°9764	-1°2867	+9°4201
Lacaille 330	+9°4662	+8°9258	+0°1531	-9°4555	-9°5625	+9°9720	-1°2849	+9°4423
Lacaille 343	+9°4828	+8°9639	+0°1030	-9°4730	-9°5734	+9°9712	-1°2832	+9°4621
Lacaille 361	+9°2112	+8°7269	+0°3196	-9°1754	-9°6589	+9°9421	-1°2801	+9°4936
Lacaille 397	+9°4707	+9°0116	+0°0242	-9°4606	-9°6161	+9°9652	-1°2775	+9°5162
Lacaille 398	+9°4410	+8°9826	+0°0779	-9°4294	-9°6222	+9°9636	-1°2774	+9°5167
Lacaille 455	+9°4005	+8°9917	+0°0665	-9°3868	-9°6621	+9°9556	-1°2715	+9°5605
Lacaille 491	+9°4976	+9°1185	+9°6889	-9°4891	-9°6655	+9°9566	-1°2673	+9°5860
Lacaille 561	+9°6906	+9°3591	-0°1695	-9°6873	-9°6746	+9°9540	-1°2596	+9°6258
Lacaille 558	+9°5703	+9°2502	-9°6517	-9°5645	-9°6956	+9°9495	-1°2575	+9°6351
Lacaille 633	+9°7041	+9°4247	-0°3472	-9°7011	-9°7098	+9°9441	-1°2493	+9°6677
Lacaille 621	+9°4542	+9°1882	+8°6551	-9°4448	-9°7448	+9°9347	-1°2463	+9°6781
α Hydri.....	+9°0982	+8°8363	+0°2684	-9°0449	-9°7972	+9°8899	-1°2454	+9°6812
Lacaille 625	+9°3818	+9°1245	+9°6814	-9°3687	-9°7594	+9°9289	-1°2443	+9°6848
Lacaille 637	+9°4839	+9°2280	-9°4069	-9°4758	-9°7476	+9°9336	-1°2440	+9°6859
Lacaille 679	+9°6244	+9°3848	-0°2419	-9°6203	-9°7434	+9°9337	-1°2400	+9°6981
Lacaille 788	+9°3195	+9°1798	+9°1514	-9°3045	-9°8320	+9°8933	-1°2105	+9°7686
Lacaille 779	+9°1025	+8°9677	+0°1420	-9°0593	-9°8571	+9°8634	-1°2088	+9°7718

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 817	+9.3523	+9.2286	-9.3549	-9.3398	-9.8368	+9.8901	-1.2049	+9.7790
μ Hydri	+9.4630	+9.3654	-0.1772	-9.4559	-9.8400	+9.8858	-1.1951	+9.7952
Lacaille 928	+9.4831	+9.4096	-0.3021	-9.4769	-9.8505	+9.8770	-1.1854	+9.8096
γ Hydri	+9.2933	+9.2604	-9.6678	-9.2794	-9.8845	+9.8514	-1.1675	+9.8324
Lacaille 1036	+9.4366	+9.4393	-0.3732	-9.4302	-9.8884	+9.8416	-1.1504	+9.8508
Lacaille 1105	+9.3877	+9.4330	-0.3564	-9.3803	-9.9083	+9.8183	-1.1279	+9.8710
Lacaille 1086	+9.2383	+9.2868	-9.8349	-9.2240	-9.9201	+9.8091	-1.1261	+9.8724
Lacaille 1133	+9.3666	+9.4364	-0.3637	-9.3589	-9.9184	+9.8041	-1.1140	+9.8816
Lacaille 1182	+9.4499	+9.5344	-0.5699	-9.4443	-9.9238	+9.7978	-1.1050	+9.8879
Lacaille 1204	+9.1913	+9.3138	-9.9629	-9.1762	-9.9462	+9.7647	-1.0819	+9.9022
Lacaille 1280	+9.2456	+9.4027	-0.2733	-9.2352	-9.9518	+9.7466	-1.0593	+9.9141
Lacaille 1396	+9.1631	+9.4062	-0.2796	-9.1516	-9.9750	+9.6841	-0.9978	+9.9387
Lacaille 1502	+9.0770	+9.3995	-0.2583	-9.0642	-9.9915	+9.6203	-0.9354	+9.9557
Lacaille 1702	+8.9430	+9.4353	-0.3507	-8.9309	-0.0115	+9.4742	-0.7885	+9.9786
Lacaille 1829	+8.8826	+9.5115	-0.5197	-8.8738	-0.0173	+9.3506	-0.6616	+9.9883
* 5. (Tempel's Comet.)	-8.8399	+9.0564	+0.0394	+8.7773	-9.9810	-9.6527	+1.0175	+9.9318
* 4. (Tempel's Comet.)	-9.0396	+9.1770	+9.4116	+9.0097	-9.9591	-9.7402	+1.0723	+9.9075
* 1. (Winnecke's Comet.)	-9.0035	+8.7138	+0.3489	+8.9112	-9.7956	-9.8569	+1.2514	+9.6596
* 2. (Winnecke's Comet.)	-9.0029	+8.7097	+0.3507	+8.9099	-9.7940	-9.8570	+1.2522	+9.6567
* 1. (Tuttle's Comet.)	-9.0151	+7.8806	+0.4706	+8.8997	-9.5247	-9.8834	+1.3011	+8.8643
* 2. (Tuttle's Comet.)	-9.0641	+7.0076	+0.4851	+8.9769	-9.4095	-9.9128	+1.3022	+7.9435
* 3. (Tuttle's Comet.)	-9.0623	+6.9899	+0.4852	+8.9741	-9.4108	-9.9118	+1.3022	+7.9276
* 5. (Tuttle's Comet.)	-9.1468	-8.1865	+0.5242	+9.0918	-9.0378	-9.9425	+1.2996	-9.0372
Lacaille 5266	-9.5781	-8.8220	+0.6418	+9.5714	+8.9769	-9.9868	+1.2957	-9.2373
β Crucis	-9.1052	-8.3544	+0.5392	+9.0382	-8.8679	-9.9263	+1.2955	-9.2424
* 6. (Tuttle's Comet.)	-9.1891	-8.4495	+0.5543	+9.1460	-8.3400	-9.9498	+1.2952	-9.2532
Lacaille 5338	-9.5928	-8.9690	+0.6914	+9.5868	+9.1938	-9.9820	+1.2903	-9.3642
Lacaille 5373	-9.7736	-9.2126	+0.8011	+9.7711	+9.3353	-9.9816	+1.2864	-9.4231
Lacaille 5473 5477	-9.4933	-9.0176	+0.7090	+9.4842	+9.3473	-9.9678	+1.2792	-9.5013

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 5486.....	-9.3661	-8.8978	+0.6625	+9.3494	+9.2835	-9.9596	+1.2785	-9.5079
Lacaille 5519.....	-9.7247	-9.3063	+0.8515	+9.7217	+9.4815	-9.9675	+1.2727	-9.5520
* 7. (Tuttle's Comet.)	-9.2752	-8.8691	+0.6506	+9.2503	+9.3056	-9.9440	+1.2711	-9.5627
Lacaille 5565.....	-9.4045	-8.9997	+0.7003	+9.3911	+9.3966	-9.9553	+1.2709	-9.5639
Lacaille 5633	-9.6399	-9.3066	+0.8510	+9.6357	+9.5525	-9.9534	+1.2599	-9.6243
Lacaille 5672.....	-9.6485	-9.3471	+0.8746	+9.6446	+9.5851	-9.9477	+1.2539	-9.6502
Lacaille 5694.....	-9.4552	-9.1603	+0.7715	+9.4456	+9.5464	-9.9407	+1.2525	-9.6554
Lacaille 5805.....	-9.3714	-9.1411	+0.7607	+9.3580	+9.5864	-9.9221	+1.2377	-9.7052
Lacaille 5836.....	-9.1318	-8.9138	+0.6593	+9.0894	+9.4579	-9.8898	+1.2344	-9.7142
* 8. (Tuttle's Comet.)	-9.3189	-9.1325	+0.7554	+9.3027	+9.6121	-9.9070	+1.2255	-9.7369
Lacaille 5866.....	-9.4299	-9.2463	+0.8150	+9.4203	+9.6496	-9.9129	+1.2246	-9.7389
Lacaille 5913.....	-9.4713	-9.3247	+0.8595	+9.4638	+9.6914	-9.9032	+1.2129	-9.7640
Lacaille 6022.....	-9.3493	-9.2614	+0.8218	+9.3374	+9.7110	-9.8771	+1.1912	-9.8011
Lacaille 6088.....	-9.3411	-9.2855	+0.8340	+9.3295	+9.7356	-9.8639	+1.1777	-9.8199
Lacaille 6108.....	-9.4429	-9.4072	+0.9092	+9.4360	+9.7711	-9.8597	+1.1689	-9.8309
Lacaille 6169.....	-9.2670	-9.2518	+0.8149	+9.2519	+9.7469	-9.8418	+1.1592	-9.8417
Lacaille 6174.....	-9.3813	-9.3764	+0.8893	+9.3737	+9.7804	-9.8438	+1.1546	-9.8465
Lacaille 6191.....	-9.3156	-9.3187	+0.8537	+9.3041	+9.7727	-9.8364	+1.1502	-9.8510
Lacaille 6242.....	-9.3670	-9.4053	+0.9072	+9.3587	+9.8050	-9.8212	+1.1317	-9.8678
* 3. (Tempel's Comet.)	-9.5313	-9.6266	+1.0596	+9.5280	+9.8577	-9.7933	+1.0989	-9.8920
Lacaille 6381.....	-9.2233	-9.3241	+0.8555	+9.2095	+9.8141	-9.7795	+1.0955	-9.8941
Lacaille 6449.....	-9.2465	-9.3943	+0.8989	+9.2358	+9.8451	-9.7525	+1.0654	-9.9111
* 9. (Tuttle's Comet.)	-9.2697	-9.4259	+0.9194	+9.2604	+9.8535	-9.7483	+1.0599	-9.9138
Lacaille 6484.....	-9.2459	-9.4101	+0.9089	+9.2357	+9.8531	-9.7421	+1.0545	-9.9164
Lacaille 6527.....	-9.2029	-9.3917	+0.8968	+9.1914	+9.8567	-9.7237	+1.0375	-9.9240
Lacaille 6549.....	-9.1969	-9.3969	+0.9000	+9.1855	+9.8608	-9.7158	+1.0295	-9.9272
Lacaille 6552.....	-9.1944	-9.3956	+0.8993	+9.1830	+9.8609	-9.7149	+1.0286	-9.9276
Lacaille 6575.....	-9.3878	-9.6331	+1.0648	+9.3838	+9.9047	-9.6899	+0.9961	-9.9392
Lacaille 6572.....	-9.4421	-9.6978	+1.1140	+9.4391	+9.9126	-9.6830	+0.9882	-9.9417
Lacaille 6687.....	-9.0994	-9.3654	+0.8793	+9.0851	+9.8698	-9.6638	+0.9803	-9.9441

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 6750.....	-9.0588	-9.3600	+0.8755	+9.0435	+9.8755	-9.6351	+0.9526	-9.9516
Lacaille 6727.....	-9.1775	-9.4800	+0.9547	+9.1689	+9.8985	-9.6445	+0.9554	-9.9518
Lacaille 6696.....	-9.3714	-9.6914	+1.1080	+9.3682	+9.9254	-9.6320	+0.9375	-9.9552
Lacaille 6773.....	-9.1052	-9.4301	+0.9209	+9.0940	+9.8942	-9.6200	+0.9334	-9.9561
Lacaille 6808 6811.....	-9.0323	-9.3768	+0.8859	+9.0177	+9.8866	-9.6005	+0.9173	-9.9596
Lacaille 6791.....	-9.1478	-9.4940	+0.9641	+9.1393	+9.9083	-9.6052	+0.9158	-9.9599
Lacaille 6817.....	-9.0850	-9.4415	+0.9283	+9.0741	+9.9014	-9.5942	+0.9073	-9.9616
Lacaille 6869.....	-9.1297	-9.5484	+1.0022	+9.1228	+9.9260	-9.5450	+0.8541	-9.9705
Lacaille 6828.....	-9.2030	-9.6626	+1.0866	+9.1989	+9.9427	-9.5116	+0.8180	-9.9753
Lacaille 6948.....	-8.9559	-9.4158	+0.9107	+8.9428	+9.9095	-9.5024	+0.8177	-9.9753
Lacaille 6939.....	-9.0127	-9.4777	+0.9524	+9.0029	+9.9211	-9.5011	+0.8131	-9.9759
Lacaille 6905.....	-9.1918	-9.6686	+1.0901	+9.1877	+9.9450	-9.4963	+0.8026	-9.9771
Lacaille 6992.....	-8.9208	-9.4206	+0.9137	+8.9078	+9.9141	-9.4665	+0.7818	-9.9793
Lacaille 7020.....	-8.8688	-9.3887	+0.8927	+8.8535	+9.9090	-9.4459	+0.7634	-9.9810
Lacaille 7018.....	-8.9581	-9.4970	+0.9656	+8.9489	+9.9304	-9.4345	+0.7460	-9.9826
Lacaille 7002.....	-9.1256	-9.7016	+1.1165	+9.1220	+9.9557	-9.4056	+0.7114	-9.9852
Lacaille 7062.....	-8.9468	-9.5254	+0.9855	+8.9387	+9.9372	-9.3986	+0.7091	-9.9854
Lacaille 7127.....	-8.7871	-9.4043	+0.9026	+8.7725	+9.9185	-9.3559	+0.6728	-9.9877
Lacaille 7088.....	-8.9710	-9.6056	+1.0436	+8.9653	+9.9502	-9.3483	+0.6562	-9.9886
Lacaille 7105.....	-8.9578	-9.6172	+1.0511	+8.9524	+9.9525	-9.3250	+0.6327	-9.9898
Lacaille 7090.....	-9.0666	-9.7999	+1.1946	+9.0642	+9.9698	-9.2571	+0.5617	-9.9927
Lacaille 7229.....	-8.7351	-9.5227	+0.9833	+8.7265	+9.9454	-9.1981	+0.5089	-9.9943
Lacaille 7184.....	-8.9009	-9.7447	+1.1505	+8.8978	+9.9691	-9.1487	+0.4540	-9.9956
Lacaille 7319.....	-8.5333	-9.4413	+0.9269	+8.5204	+9.9343	-9.0759	+0.3910	-9.9967
Lacaille 7275.....	-8.7209	-9.6463	+1.0739	+8.7160	+9.9624	-9.0666	+0.3737	-9.9970
Lacaille 7332.....	-8.5093	-9.4372	+0.9242	+8.4963	+9.9338	-9.0560	+0.3713	-9.9970
Lacaille 7372.....	-8.3910	-9.4429	+0.9279	+8.3782	+9.9361	-8.9336	+0.2486	-9.9983
Lacaille 7361.....	-8.4444	-9.4970	+0.9651	+8.4344	+9.9454	-8.9358	+0.2479	-9.9983
Lacaille 7327.....	-8.5915	-9.6507	+1.0772	+8.5867	+9.9641	-8.9344	+0.2414	-9.9984
Lacaille 7462.....	-7.9898	-9.4136	+0.9082	+7.9749	+9.9315	-8.5610	+9.8781	-9.9997
Lacaille 7348.....	-8.3381	-9.8358	+1.2158	+8.3360	+9.9789	-8.5000	+9.8043	-9.9998
Lacaille 7486.....	-7.6291	-9.4748	+0.9497	+7.6180	+9.9434	-8.1431	+9.4564	-0.0000
Lacaille 7515.....	+7.8083	-9.5830	+1.0267	-7.8016	+9.9586	+8.2185	-9.5275	-9.9999
Lacaille 7525.....	+8.0437	-9.5965	+1.0366	-8.0375	+9.9590	+8.4408	-9.7493	-9.9998

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 7562.....	+8.5211	-9.6738	+1.0948	-8.5168	+9.9668	+8.8419	-0.1485	-9.9989
Lacaille 7548.....	+8.7136	-9.7801	+1.1786	-8.7109	+9.9743	+8.9293	-0.2341	-9.9984
Lacaille 7664.....	+8.5173	-9.5098	+0.9741	-8.5079	+9.9468	+8.9959	-0.3074	-9.9978
Lacaille 7615.....	+8.8480	-9.7705	+1.1709	-8.8453	+9.9722	+9.0717	-0.3767	-9.9969
Lacaille 7700.....	+8.5959	-9.5024	+0.9689	-8.5863	+9.9447	+9.0806	-0.3925	-9.9967
Lacaille 7699.....	+8.7713	-9.6187	+1.0532	-8.7658	+9.9584	+9.1427	-0.4505	-9.9957
Lacaille 7781.....	+8.6178	-9.4080	+0.9048	-8.6030	+9.9255	+9.1893	-0.5064	-9.9944
Lacaille 7705.....	+9.0326	-9.7734	+1.1732	-9.0299	+9.9684	+9.2495	-0.5544	-9.9930
Lacaille 7822.....	+8.6900	-9.4193	+0.9123	-8.6761	+9.9261	+9.2494	-0.5656	-9.9926
Lacaille 7877.....	+8.7471	-9.3985	+0.8987	-8.7320	+9.9189	+9.3229	-0.6403	-9.9895
Lacaille 7890.....	+8.8182	-9.4469	+0.9310	-8.8062	+9.9275	+9.3477	-0.6619	-9.9883
Lacaille 7884.....	+8.7754	-9.4960	+0.9647	-8.8659	+9.9353	+9.3578	-0.6695	-9.9879
Lacaille 7906.....	+8.8633	-9.4669	+0.9447	-8.8525	+9.9297	+9.3725	-0.6855	-9.9869
Lacaille 7935.....	+8.8469	-9.4258	+0.9170	-8.8338	+9.9208	+9.3934	-0.7087	-9.9854
Lacaille 7975.....	+8.8565	-9.3896	+0.8932	-8.8412	+9.9102	+9.4336	-0.7512	-9.9821
Lacaille 8020.....	+8.9119	-9.4012	+0.9009	-8.8976	+9.9092	+9.4748	-0.7912	-9.9783
Lacaille 8076.....	+9.0516	-9.4715	+0.9483	-9.0418	+9.9151	+9.5409	-0.8530	-9.9707
Lacaille 8108.....	+8.9826	-9.3802	+0.8877	-8.9676	+9.8949	+9.5552	-0.8724	-9.9677
Lacaille 8118.....	+9.0683	-9.4431	+0.9293	-9.0574	+9.9044	+9.5787	-0.8919	-9.9644
Lacaille 8094.....	+9.2565	-9.6261	+1.0592	-9.2519	+9.9279	+9.5894	-0.8963	-9.9636
Lacaille 8172.....	+9.1206	-9.4499	+0.9341	-9.1104	+9.8985	+9.6174	-0.9299	-9.9569
Lacaille 8179.....	+9.1927	-9.5034	+0.9708	-9.1849	+9.9035	+9.6349	-0.9450	-9.9535
Lacaille 8188.....	+9.2242	-9.5260	+0.9867	-9.2172	+9.9049	+9.6429	-0.9521	-9.9517
* { R.A. 19 ^h 48 ^m 18 ^s N.P.D. 169° 13'	+9.2105	-9.5012	+0.9694	-9.2027	+9.8994	+9.6510	-0.9609	-9.9495
Lacaille 8218.....	+9.2294	-9.5090	+0.9749	-9.2220	+9.8982	+9.6601	-0.9697	-9.9471
Lacaille 8236.....	+9.1551	-9.4335	+0.9234	-9.1446	+9.8861	+9.6579	-0.9706	-9.9468
Lacaille 8252.....	+9.0890	-9.3591	+0.8752	-9.0742	+9.8692	+9.6601	-0.9772	-9.9450
Lacaille 8240.....	+9.2648	-9.5246	+0.9859	-9.2581	+9.8960	+9.6761	-0.9850	-9.9427
Lacaille 8256.....	+9.2489	-9.4987	+0.9678	-9.4414	+9.8902	+9.6830	-0.9927	-9.9403
Lacaille 8281.....	+9.2890	-9.5188	+0.9820	-9.2823	+9.8882	+9.6988	-1.0077	-9.9353
Lacaille 8301.....	+9.2684	-9.4904	+0.9623	-9.2608	+9.8823	+9.7037	-1.0135	-9.9333
Lacaille 8323.....	+9.3016	-9.5030	+0.9712	-9.2946	+9.8787	+9.7192	-1.0284	-9.9277
Lacaille 8360.....	+9.4145	-9.5828	+1.0280	-9.4099	+9.8787	+9.7448	-1.0516	-9.9177
Lacaille 8413.....	+9.2461	-9.3934	+0.8984	-9.2354	+9.8447	+9.7528	-1.0658	-9.9109
Lacaille 8435.....	+9.2346	-9.3644	+0.8801	-9.2227	+9.8331	+9.7631	-1.0773	-9.9048

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>U</i>	<i>ℓ</i>	<i>ℓ'</i>
Lacaille 8443.....	+9°2096	-9°3382	+0°8638	-9°1961	+9°8269	+9°7623	-1°0780	-9°9044
Lacaille 8420.....	+9°3981	-9°5214	+0°9844	-9°3924	+9°8568	+9°7735	-1°0814	-9°9025
Lacaille 8434.....	+9°3961	-9°5096	+0°9763	-9°3902	+9°8518	+9°7795	-1°0876	-9°8989
Lacaille 8473.....	+9°3226	-9°4209	+0°9167	-9°3139	+9°8329	+9°7861	-1°0970	-9°8931
Lacaille 8493.....	+9°2443	-9°3421	+0°8666	-9°2317	+9°8172	+9°7826	-1°0973	-9°8929
* $\left\{ \begin{array}{l} \text{R.A.} \\ 20^h 34^m 47^s \\ \text{N.P.D.} \\ 166^\circ 22' \end{array} \right.$	+9°2479	-9°3438	+0°8677	-9°2355	+9°8169	+9°7839	-1°0985	-9°8922
Lacaille 8483.....	+9°4397	-9°5204	+0°9840	-9°4344	+9°8407	+9°8002	-1°1077	-9°8861
Lacaille 8536.....	+9°2711	-9°3346	+0°8624	-9°2589	+9°8024	+9°8033	-1°1177	-9°8789
Lacaille 8562.....	+9°2606	-9°3106	+0°8481	-9°2474	+9°7913	+9°8098	-1°1253	-9°8730
Lacaille 8535.....	+9°4630	-9°5106	+0°9774	-9°4579	+9°8257	+9°8193	-1°1267	-9°8720
Lacaille 8570.....	+9°3168	-9°3576	+0°8770	-9°3064	+9°7980	+9°8177	-1°1304	-9°8689
Lacaille 8511.....	+9°7090	-9°7217	+1°1333	-9°7072	+9°8293	+9°8413	-1°1453	-9°8557
Lacaille 8618.....	+9°4705	-9°4726	+0°9518	-9°4650	+9°7989	+9°8420	-1°1497	-9°8495
Lacaille 8643.....	+9°4704	-9°4535	+0°9392	-9°4646	+9°7877	+9°8520	-1°1600	-9°8409
Lacaille 8669.....	+9°5053	-9°4729	+0°9523	-9°5002	+9°7825	+9°8600	-1°1673	-9°8327
Lacaille 8711.....	+9°3082	-9°2717	+0°8267	-9°2952	+9°7420	+9°8539	-1°1692	-9°8305
Lacaille 8713.....	+9°3428	-9°3021	+0°8445	-9°3316	+9°7474	+9°8577	-1°1711	-9°8282
Lacaille 8702.....	+9°5835	-9°5254	+0°9885	-9°5798	+9°7752	+9°8729	-1°1788	-9°8185
Lacaille 8750.....	+9°4276	-9°3603	+0°8801	-9°4197	+9°7456	+9°8726	-1°1828	-9°8132
Lacaille 8785.....	+9°3236	-9°2471	+0°8135	-9°3105	+9°7144	+9°8713	-1°1866	-9°8078
Lacaille 8817 8818.....	+9°3997	-9°2954	+0°8416	-9°3900	+9°7110	+9°8857	-1°1977	-9°7912
Lacaille 8850.....	+9°4434	-9°3056	+0°8481	-9°4350	+9°6930	+9°8993	-1°2099	-9°7699
Lacaille 8864.....	+9°4619	-9°3115	+0°8518	-9°4541	+9°6864	+9°9041	-1°2141	-9°7616
Lacaille 8909.....	+9°3846	-9°2122	+0°7962	-9°3730	+9°6469	+9°9074	-1°2212	-9°7466
Lacaille 8927.....	+9°4399	-9°2503	+0°8173	-9°4307	+9°6466	+9°9150	-1°2264	-9°7347
Lacaille 8935.....	+9°4282	-9°2353	+0°8091	-9°4185	+9°6406	+9°9155	-1°2274	-9°7323
Lacaille 8942.....	+9°3747	-9°1798	+0°7796	-9°3622	+9°6231	+9°9132	-1°2280	-9°7309
Lacaille 8897.....	+9°7297	-9°5304	+0°9928	-9°7272	+9°6864	+9°9246	-1°2293	-9°7277
Lacaille 8891.....	+9°3917	-9°1591	+0°7698	-9°3796	+9°5910	+9°9238	-1°2382	-9°7035
Lacaille 9023.....	+9°5259	-9°2566	+0°8220	-9°5192	+9°5916	+9°9381	-1°2471	-9°6755
Lacaille 9070.....	+9°4382	-9°1451	+0°7639	-9°4278	+9°5429	+9°9395	-1°2522	-9°6569
Lacaille 9090.....	+9°3824	-9°0767	+0°7316	-9°3687	+9°5079	+9°9387	-1°2547	-9°6467
Lacaille 9095.....	+9°4930	-9°1741	+0°7794	-9°4848	+9°5322	+9°9468	-1°2573	-9°6360

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 9124.....	+9.5139	-9.1665	+0.7755	-9.5062	+9.5078	+9.9524	-1.2623	-9.6127
Lacaille 9122.....	+9.5203	-9.1728	+0.7786	-9.5128	+9.5095	+9.9526	-1.2623	-9.6126
Lacaille 9105.....	+9.7284	-9.3787	+0.8942	-9.7256	+9.5515	+9.9576	-1.2627	-9.6107
Lacaille 9102.....	+9.7587	-9.4072	+0.9120	-9.7562	+9.5543	+9.9583	-1.2630	-9.6093
Lacaille 9155.....	+9.3299	-8.9670	+0.6860	-9.3113	+9.4100	+9.9440	-1.2648	-9.5997
Lacaille 9123.....	+9.8001	-9.4200	+0.9202	-9.7980	+9.5322	+9.9632	-1.2675	-9.5851
Lacaille 9165.....	+9.6507	-9.2520	+0.8209	-9.6465	+9.4874	+9.9637	-1.2701	-9.5692
Lacaille 9191.....	+9.3936	-8.9880	+0.6956	-9.3796	+9.3897	+9.9547	-1.2710	-9.5632
Lacaille 9203.....	+9.4132	-8.9966	+0.6993	-9.4002	+9.3856	+9.9573	-1.2725	-9.5537
Lacaille 9216.....	+9.4684	-9.0357	+0.7160	-9.4584	+9.3911	+9.9622	-1.2745	-9.5395
Lacaille 9228.....	+9.5769	-9.1163	+0.7526	-9.5708	+9.3983	+9.9693	-1.2776	-9.5148
Lacaille 9262.....	+9.4026	-8.9351	+0.6762	-9.3886	+9.3097	+9.9622	-1.2784	-9.5087
Lacaille 9273.....	+9.4074	-8.9304	+0.6746	-9.3937	+9.2989	+9.9634	-1.2794	-9.5001
Lacaille 9260.....	+9.7415	-9.2434	+0.8170	-9.7386	+9.3992	+9.9762	-1.2814	-9.4810
Lacaille 9332.....	+9.5753	-9.0186	+0.7105	-9.5688	+9.2774	+9.9775	-1.2861	-9.4272
Lacaille 9355.....	+9.6450	-9.0620	+0.7292	-9.6403	+9.2709	+9.9810	-1.2879	-9.4026
Lacaille 9362.....	+9.4625	-8.8793	+0.6583	-9.4515	+9.1673	+9.9747	-1.2879	-9.4025
Lacaille 9378.....	+9.6274	-9.0072	+0.7065	-9.6223	+9.2141	+9.9827	-1.2901	-9.3677
Lacaille 9389.....	+9.5783	-8.9445	+0.6822	-9.5718	+9.1721	+9.9821	-1.2908	-9.3548
Lacaille 9392.....	+9.6239	-8.9887	+0.6992	-9.6187	+9.1930	+9.9834	-1.2909	-9.3535
Lacaille 9434.....	+9.5149	-8.8216	+0.6410	-9.5061	+9.0333	+9.9824	-1.2935	-9.2979
Lacaille 9475.....	+9.6499	-8.8632	+0.6551	-9.6452	+8.9803	+9.9895	-1.2965	-9.2075
Lacaille 9487.....	+9.4006	-8.6113	+0.5869	-9.3853	+8.6151	+9.9790	-1.2966	-9.2050
Lacaille 9493.....	+9.4030	-8.5980	+0.5843	-9.3878	+8.5617	+9.9795	-1.2970	-9.1897
Lacaille 9494.....	+9.5040	-8.6907	+0.6058	-9.4946	+8.7713	+9.9855	-1.2972	-9.1816
Lacaille 9525.....	+9.4874	-8.6002	+0.5857	-9.4772	+8.5076	+9.9861	-1.2986	-9.1092
Lacaille 9546.....	+9.7587	-8.7773	+0.6299	-9.7457	+8.7336	+9.9945	-1.2998	-9.0261
Lacaille 9558.....	+9.4063	-8.4264	+0.5550	-9.3911	-8.0903	+9.9824	-1.2999	-9.0177
Lacaille 9560.....	+9.5609	-8.5658	+0.5795	-9.5536	+8.2975	+9.9905	-1.3000	-9.0027
Lacaille 9563.....	+9.8463	-8.8082	+0.6391	-9.8444	+8.6969	+9.9962	-1.3004	-8.9601
Lacaille 9602.....	+9.6100	-8.4654	+0.5623	-9.6041	-6.4624	+9.9930	-1.3011	-8.8543
Lacaille 9614.....	+9.7837	-8.5681	+0.5809	-9.7811	+8.1099	+9.9966	-1.3014	-8.7836
Lacaille 9621.....	+9.6311	-8.4103	+0.5541	-9.6258	-7.9149	+9.9939	-1.3015	-8.7784
Lacaille 9651.....	+9.7300	-8.3471	+0.5459	-9.7267	-8.1062	+9.9963	-1.3019	-8.6167
Lacaille 9691.....	+9.4977	-7.8336	+0.5059	-9.4877	-8.8498	+9.9899	-1.3021	-8.3358
Lacaille 9704.....	+9.6344	-7.6692	+0.5003	-9.6292	-8.7514	+9.9947	-1.3022	-8.0348

RESULTS
OF
ASTRONOMICAL OBSERVATIONS

MADE AT THE
ROYAL OBSERVATORY,
CAPE OF GOOD HOPE,

IN THE
YEAR 1873,

UNDER THE DIRECTION OF
EDWARD JAMES STONE, M.A., F.R.S., F.R.A.S.

C. M. DE LA SOCIÉTÉ NATIONALE DES SCIENCES NATURELLES DE CHERBOURG,
HONORARY FELLOW OF QUEENS' COLLEGE, CAMBRIDGE,

AND
HER MAJESTY'S ASTRONOMER AT THE CAPE OF GOOD HOPE.

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**PRINTERS.**  
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ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

T A B L E S
OF
INSTRUMENTAL CORRECTIONS,
1873.

TABLE I.

Errors of Collimation of the Transit-circle, 1873.

Day.			Reading of Collimation Micrometer.	Error of Collimation.	Day.			Reading of Collimation Micrometer.	Error of Collimation.
			r	s				r	s
Jan.	2	— 8	30.200	+ 0.070	June	19	— 26	30.800	— 0.124
	9	— 15		+ 0.064	June	27—July	17	30.900	— 0.045
	16	— 22		+ 0.057	July	18	— 29		— 0.042
	23	— 29		+ 0.070	July	30—Aug.	8		— 0.036
Jan.	30—Feb.	5		+ 0.067	Aug.	9	— 18		— 0.029
Feb.	6	— 12		+ 0.065		19	— 29		— 0.038
	13	— 19		+ 0.070	Aug.	30—Sept.	14		— 0.053
	20	— 26		+ 0.067	Sept.	15	— 20		— 0.052
Feb.	27—Mar.	5		+ 0.074		21	— 24		— 0.061
Mar.	6	— 12		+ 0.070		25			+ 0.107
	13	— 19		+ 0.074	Sept.	26—Oct.	1	30.700	— 0.084
	20	— 26		+ 0.068	Oct.	2	— 8		— 0.092
Mar.	27—Apr.	2		+ 0.070		9	— 24		— 0.087
Apr.	3	— 10		+ 0.072	Oct.	25—Nov.	13		— 0.092
	11	— 16		+ 0.080	Nov.	14	— 19		— 0.109
	17	— 23		+ 0.086		20	— 27		— 0.099
	24	— 30		+ 0.080	Nov.	28—Dec.	6		— 0.101
May	1	— 7		+ 0.078	Dec.	7	— 9		— 0.114
	8	— 14		+ 0.073		10	— 11		— 0.194
	15	— 21		+ 0.089		12	— 19		— 0.208
	22	— 28		+ 0.091		20	— 22		— 0.245
	28	— 29		+ 0.098		23	— 31	30.900	— 0.048

May 27—29.—The wires parted; a new system inserted by Mr. Stone, and regular observations recommenced on June 19.

Sept. 24—25.—The instrument apparently received some blow between these days.

Dec. 23.—The wire frame adjusted for inclination.

TABLE II.

Level and Azimuthal Errors of the Transit-circle, 1873.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
January 3		s	s	s	February 26	G	+0° 670	+0° 670	+0° 623
5	G	+1° 460	+1° 460		27	C	+0° 652	+0° 652	+0° 541
7	C	+1° 458	+1° 458	+0° 903	28	G	+0° 626		+0° 504
8	G	+1° 440	+1° 440		March 1	G	+0° 630	+0° 628	+0° 568
9				+0° 888	3	C	+0° 621	+0° 621	+0° 517
10	G	+1° 419	+1° 419		4	G	+0° 622	+0° 622	+0° 488
14	G	+1° 377	+1° 377	+0° 939	5	I	+0° 626	+0° 626	+0° 515
15	I	+1° 368	+1° 368	+0° 910	11	G	+0° 560	+0° 560	+0° 421
16	C	+1° 347	+1° 347	+0° 919	12	C	+0° 580	+0° 580	+0° 383
17	G	+1° 348			13	G	+0° 548	+0° 548	+0° 381
20	C	+1° 269			14	I	+0° 537	+0° 537	
22	I	+1° 222	+1° 222	+0° 811	17			+0° 519	+0° 376
23	C	+1° 211			18	G	+0° 501	+0° 501	+0° 371
24	I	+1° 193	+1° 193	+0° 843	19	I	+0° 504	+0° 504	+0° 312
27	C	+1° 126	+1° 126	+0° 901	20	C	+0° 499	+0° 499	+0° 295
28				+0° 873	24	C	+0° 479	+0° 479	+0° 290
30	C	+1° 093			25	G	+0° 478	+0° 478	
31	I	+1° 069	+1° 069	+0° 789	26	I	+0° 475	+0° 475	+0° 292
February 5	G	+0° 985	+0° 985	+0° 839	27	C	+0° 492	+0° 492	+0° 314
6	I	+0° 977	+0° 977	+0° 889	28	G	+0° 490	+0° 490	
7	C	+0° 976	+0° 976	+0° 881	April 1	G	+0° 482	+0° 482	+0° 212
11	C	+0° 907	+0° 907	+0° 791	3			+0° 462	+0° 290
12	S	+0° 861	+0° 861		4	C	+0° 441	+0° 441	
15	G	+0° 812	+0° 812	+0° 680		G	+0° 387	+0° 387	+0° 182
19	I	+0° 716		+0° 632	10	I	+0° 394	+0° 394	+0° 083
20	G	+0° 723		+0° 659	16	C		+0° 372	+0° 117
20	G	+0° 719	+0° 719		17	I	+0° 372		
21	I	+0° 718		+0° 679					

TABLE II.—Continued.

Level and Azimuthal Errors of the Transit-circle, 1873.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
		s	s	s			s	s	s
April 18	C	+0°346	+0°350	+0°165	June 21	C	+0°909	+0°909	+0°393
18	G	+0°350			22	C	+0°934		
21			+0°337	+0°112	23	G	+0°943		
22	G	+0°323	+0°323		24	I	+0°969		
23	C	+0°342	+0°342		25	C	+0°956	+0°956	+0°496
24	I	+0°340	+0°340		29	S	+1°009	+1°009	+0°412
25	C	+0°337	+0°337		30	C	+1°027	+1°027	+0°477
26	G	+0°341	+0°341		July 1	G	+1°033	+1°033	+0°536
29	G	+0°332	+0°332	+0°115	2	I	+1°055		
30	C	+0°344	+0°344	+0°114	3			+1°055	
May 1			+0°348	+0°140	7			+1°079	+0°490
2	G	+0°352			8	G	+1°103	+1°103	+0°486
5	C	+0°352	+0°352	+0°189	9	C	+1°106	+1°106	+0°471
6	G	+0°352		+0°131	10	I	+1°108	+1°108	+0°542
7					13			+1°121	+0°470
17	G	+0°373	+0°374	-0°035	14	C	+1°134	+1°134	+0°404
18	G	+0°374			15			+1°145	
21	C	+0°369	+0°369	-0°015	16	F	+1°156	+1°156	+0°440
23	C	+0°376	+0°376	-0°074	17	C	+1°156		+0°434
28	C	+0°422			18	I	+1°150	+1°150	+0°492
29	I	+0°428	+0°428	-0°022	21	C	+1°180	+1°180	+0°485
30	C	+0°438			23	I	+1°199		+0°540
June 19	G	+0°829	+0°829	+0°358	23	G	+1°200	+1°200	
20	I	+0°921	+0°921	+0°343	24	C	+1°191	+1°191	
					25			+1°214	

May 28—29. The wires of the transit-circle broken. A new system was brought into use on June 19.

TABLE II.—Continued.

Level and Azimuthal Errors of the Transit-circle, 1873.

Day.	Observer.	Level Error.		Adopted Azimuthal Error.	Day.	Observer.	Level Error.		Adopted Azimuthal Error.
		Observed.	Adopted.				Observed.	Adopted.	
July 29	G	+1'236	+1'236	+0'487	September 18	C	+1'502	+1'502	+0'515
30	F	+1'240	+1'240		19	I	+1'515	+1'515	
August 1	C	+1'241	+1'241	+0'525	20	G	+1'495	+1'495	+0'487
3			+1'267	+0'518	22	C	+1'509	+1'509	+0'522
4	C	+1'292	+1'292	+0'566	23	G	+1'515		
5	G	+1'272	+1'272		25	C	+1'553	+1'553	+0'545
6	I	+1'270	+1'270	+0'565	26	I	+1'559	+1'559	
7	F	+1'271	+1'271		29	C	+1'535		
8	C	+1'287	+1'287	+0'556	30	G	+1'559	+1'559	+0'466
9	G	+1'279	+1'279	+0'552	October 1	F	+1'584	+1'584	+0'517
12	G	+1'318	+1'318	+0'486	2	I	+1'564	+1'564	+0'449
14	G	+1'317			3	G	+1'559	+1'559	+0'531
16	F	+1'344	+1'344	+0'397	4	C	+1'571	+1'571	+0'428
19	F	+1'338	+1'338	+0'431	6	C	+1'596	+1'596	+0'426
26	G	+1'339			8	F	+1'577	+1'577	+0'438
28	C	+1'357	+1'357	+0'505	9	I	+1'593	+1'593	+0'431
29	F	+1'379	+1'379	+0'452	10	C	+1'590	+1'590	+0'473
30			+1'384	+0'509	11	G	+1'587		+0'505
September 1	C	+1'393	+1'393	+0'463	12			+1'587	+0'488
4	G	+1'429	+1'429	+0'499	13	F	+1'585	+1'585	+0'471
5	I	+1'467	+1'467	+0'474	15	I	+1'639	+1'639	+0'388
8	G	+1'439	+1'439	+0'552	17	I	+1'649	+1'649	+0'490
9	C	+1'441	+1'441	+0'471	21	I	+1'624	+1'624	+0'493
10	F	+1'420	+1'420	+0'431	23	G	+1'640	+1'640	+0'438
11	C	+1'434		+0'518	24	I	+1'639	+1'639	+0'475
12			+1'434	+0'531	27			+1'627	+0'554
15	C	+1'503	+1'503	+0'397	28	I	+1'622	+1'622	+0'429
16	G	+1'504	+1'504	+0'547	29	G	+1'625		
17	F	+1'512	+1'512	+0'438	November 2			+1'686	+0'474
					3	G	+1'686		

TABLE III.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873.			
January 7	C	+ 0° 918	σ Octantis S.P. and μ Geminorum.
7 } 8 }	G	+ 0° 887	Two Consecutive Transits of β Hydri.
9 } 10 }	G	+ 0° 884	Two Consecutive Transits of β Hydri.
10	G	+ 0° 891	σ Octantis S.P. and μ Geminorum.
14	G	+ 0° 938	σ Octantis S.P. and μ Geminorum.
15	I	+ 0° 910	σ Octantis S.P. and γ Geminorum.
	I	+ 0° 914	β Hydri S.P. and α Virginis.
16	C	+ 0° 919	σ Octantis S.P. and μ Geminorum.
22	I	+ 0° 811	σ Octantis S.P. and γ Geminorum.
24	I	+ 0° 843	σ Octantis S.P. and γ Geminorum.
27	C	+ 0° 901	σ Octantis S.P. and μ Geminorum.
31	I	+ 0° 789	σ Octantis S.P. and γ Geminorum.
February 4	C	+ 0° 834	σ Octantis S.P. and μ Geminorum.
5	G	+ 0° 838	β Hydri and β Ceti.
	G	+ 0° 839	Lacaille 2296 and ϵ Orionis.
6	G	+ 0° 946	β Hydri and β Ceti.
7	C	+ 0° 881	σ Octantis S.P. and μ Geminorum.
11	C	+ 0° 791	σ Octantis S.P. and ν Orionis.
15	G	+ 0° 758	Lacaille 2296 and γ Geminorum.
	G	+ 0° 602	Lacaille 7751 S.P. and γ Geminorum.
19	I	+ 0° 679	Lacaille 2296 and γ Geminorum.
	I	+ 0° 581	Lacaille 7751 S.P. and γ Geminorum.
20	G	+ 0° 661	Lacaille 2296 and ν Orionis.
	G	+ 0° 656	Lacaille 7751 S.P. and α Canis Minoris.
21	I	+ 0° 717	Lacaille 2296 and α Orionis.
	I	+ 0° 642	Lacaille 7751 S.P. and δ Geminorum.
22	G	+ 0° 584	β Hydri and η Piscium
26	G	+ 0° 736	β Hydri and β Ceti.
	G	+ 0° 566	α Octantis and 15 Argus.
27	C	+ 0° 766	β Hydri and β Ceti.
	C	+ 0° 429	α Octantis and η Cancri.
28	G	+ 0° 490	Lacaille 7751 S.P. and γ Canis Majoris.
	G	+ 0° 517	α Octantis and η Cancri.
March 1	G	+ 0° 645	β Hydri and β Ceti.
	G	+ 0° 530	α Octantis and η Cancri.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873.			
March			
2	G	+ 0° 436	Meridian Mark.
3	C	+ 0° 504	σ Octantis S.P. and μ Geminorum.
	C	+ 0° 543	A Octantis and γ Cancri.
	G	+ 0° 476	Meridian Mark.
4	G	+ 0° 495	β Hydri and β Ceti.
	G	+ 0° 484	A Octantis and ϵ Canis Majoris.
5	I	+ 0° 503	Lacaille 2296 and α Orionis.
	I	+ 0° 527	Lacaille 7751 S.P. and δ Geminorum.
9	G	+ 0° 408	Meridian Mark.
11	G	+ 0° 421	A Octantis and ι Argus.
12	C	+ 0° 395	Lacaille 7751 S.P. and γ Geminorum.
	C	+ 0° 371	A Octantis and β Geminorum.
13 } 14 }	{ C G C }	+ 0° 415	Three Consecutive Transits of β Hydri.
13	G	+ 0° 393	σ Octantis S.P. and γ Geminorum.
14	I	+ 0° 336	σ Octantis S.P. and γ Geminorum.
18	G	+ 0° 344	Two Consecutive Transits of β Hydri.
	G	+ 0° 397	τ Octantis S.P. and ν Leonis.
19	I	+ 0° 312	C Octantis S.P. and γ^1 Leonis.
20	C	+ 0° 320	Two Consecutive Transits of β Hydri.
	C	+ 0° 269	C Octantis S.P. and α Leonis.
21	G	+ 0° 217	Meridian Mark.
24	C	+ 0° 255	C Octantis S.P. and α Leonis.
24 } 25 }	{ C G }	+ 0° 282	Two Consecutive Transits of β Hydri.
25	G	+ 0° 292	τ Octantis S.P. and ν Leonis.
26	I	+ 0° 260	C Octantis S.P. and α Leonis.
	I	+ 0° 324	τ Octantis S.P. and χ Leonis.
26 } 27 }	C	+ 0° 348	Two Consecutive Transits of β Hydri.
27 } 28 }	G	+ 0° 279	Three Consecutive Transits of β Hydri.
31	G	+ 0° 241	β Hydri and β Ceti.
April			
1	G	+ 0° 212	Lacaille 5325 and θ Virginis.
2	G	+ 0° 199	Meridian Mark.
3 } 4 }	C	+ 0° 290	Three Consecutive Transits of β Hydri.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873.			
April 9	G	+ 0.169	τ Octantis S.P. and ν Leonis.
	G	+ 0.194	Two Consecutive Transits of β Hydri.
10	I	+ 0.083	C Octantis S.P. and γ^1 Leonis.
16 } 17 }	{ C I }	+ 0.148	Two Consecutive Transits of β Hydri.
17 } 18 }	{ I G G }	+ 0.149	Three Consecutive Transits of β Hydri.
17	I	+ 0.037	τ Octantis S.P. and ν Leonis.
18	G	+ 0.165	τ Octantis S.P. and ν Leonis.
21 } 22 }	{ G G C }	+ 0.106	Three Consecutive Transits of β Hydri.
21	G	+ 0.217	Meridian Mark.
22 } 23 }	G	+ 0.134	Three Consecutive Transits of A Octantis.
22	G	+ 0.108	τ Octantis S.P. and δ Crateris.
23 } 24 }	{ C I I C }	+ 0.107	Four Consecutive Transits of β Hydri.
23	C	+ 0.092	τ Octantis S.P. and ϵ Corvi.
24	I	+ 0.020	τ Octantis S.P. and μ Leonis.
25 } 26 }	{ C G }	+ 0.102	Four Consecutive Transits of A Octantis.
25	C	+ 0.030	B Octantis S.P. and α Hydræ.
	C	+ 0.073	τ Octantis S.P. and ρ Leonis.
26	G	+ 0.159	B Octantis and ρ Capricorni.
28	C	+ 0.191	β Hydri and β Ceti.
29	G	+ 0.115	A Octantis and η Cancri.
30	C	+ 0.140	Two Consecutive Transits of A Octantis.
	C	+ 0.103	Two Consecutive Transits of B Octantis.
	{ C G }	+ 0.099	Two Consecutive Transits of β Hydri.
May 1 } 2 }	{ G G }	+ 0.141	Two Consecutive Transits of β Hydri.
2	G	+ 0.116	Two Consecutive Transits of A Octantis.
	G	+ 0.155	Two Consecutive Transits of B Octantis.
4 } 5 }	C	+ 0.162	Two Consecutive Transits of β Hydri.
5	C	+ 0.213	A Octantis and ϵ Hydræ.

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873.		s	
May 5	C	+ 0° 190	B Octantis S.P. and ϵ Hydræ.
6	G	+ 0° 135	τ Octantis S.P. and δ Crateris.
	G	+ 0° 177	β Hydri S.P. and β Corvi.
6 } 7 }	G	+ 0° 131	Two Consecutive Transits of B Octantis.
8	G	+ 0° 061	Meridian Mark.
17 } 18 }	G	— 0° 035	Three Consecutive Transits of C Octantis.
21	C	— 0° 015	Two Consecutive Transits of C Octantis.
	C	— 0° 051	τ Octantis S.P. and ν Leonis.
23	C	— 0° 074	Z Octantis and ϵ^2 Boötis.
29	I	— 0° 022	τ Octantis S.P. and ν Leonis.
June 19	G	+ 0° 358	Two Consecutive Transits of β Hydri.
20	S	+ 0° 343	Z Octantis and β Libræ.
21	C	+ 0° 393	Z Octantis and α Boötis.
23	G	+ 0° 497	Z Octantis and α^2 Libræ.
25	C	+ 0° 473	Z Octantis and α Coronæ Borealis.
	C	+ 0° 507	σ Octantis and λ Sagittarii.
27	G	+ 0° 524	Meridian Mark.
29	S	+ 0° 412	Z Octantis and α Serpentis.
30	C	+ 0° 477	Z Octantis and β Libræ.
July 1 } 2 }	G	+ 0° 540	Three Consecutive Transits of σ Octantis.
1	G	+ 0° 404	Meridian Mark.
2 } 3 }	{ I } { G }	+ 0° 532	Two Consecutive Transits of σ Octantis.
7	S	+ 0° 490	σ Octantis and ψ Boötis.
8	G	+ 0° 486	σ Octantis and α Ophiuchi.
9	C	+ 0° 471	σ Octantis and α Ophiuchi.
10	I	+ 0° 542	σ Octantis and θ Ophiuchi.
	G	+ 0° 538	Meridian Mark.
14	C	+ 0° 404	Z Octantis and ψ Boötis.
15	G	+ 0° 545	Meridian Mark.
16	F	+ 0° 329	Z Octantis and ψ Boötis.
	F	+ 0° 551	σ Octantis and α Lyræ.
17	C	+ 0° 434	Z Octantis and ψ Boötis.
A new system of wires was brought into use on June 19.			

TABLE III.—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
July 1873.			
18	I	+ 0° 492	Z Octantis and ψ Boötis.
	G	+ 0° 522	Meridian Mark.
21	C	+ 0° 485	Z Octantis and ψ Boötis.
22	G	+ 0° 499	Meridian Mark.
23	G	+ 0° 526	Two Consecutive Transits of Z Octantis.
24 } 25 }	{ C G F }	+ 0° 553	Three Consecutive Transits of Z Octantis.
26	G	+ 0° 537	Meridian Mark.
29 } 30 }	{ G F }	+ 0° 487	Four Consecutive Transits of Z Octantis.
30	F	+ 0° 502	σ Octantis and β Lyræ.
August 1	C	+ 0° 525	σ Octantis and α Lyræ.
2	G	+ 0° 471	Z Octantis and α^2 Libræ.
4 } 5 }	{ C C G }	+ 0° 566	Three Consecutive Transits of Z Octantis.
6 } 7 }	{ G I C F }	+ 0° 565	Four Consecutive Transits of Z Octantis.
6	I	+ 0° 601	σ Octantis and ζ Aquilæ.
7	F	+ 0° 456	σ Octantis and ζ Aquilæ.
8	C	+ 0° 558	σ Octantis and β Lyræ.
9	G	+ 0° 552	σ Octantis and μ Herculis.
11	G	+ 0° 486	Meridian Mark.
12	G	+ 0° 486	σ Octantis and μ Herculis.
13	C	+ 0° 425	σ Octantis and ζ Aquilæ.
16	F	+ 0° 397	σ Octantis and β Lyræ.
19	F	+ 0° 431	σ Octantis and μ Herculis.
21	G	+ 0° 485	Meridian Mark.
26	G	+ 0° 555	σ Octantis and μ Herculis.
28	C	+ 0° 505	σ Octantis and β Lyræ.
29	F	+ 0° 452	σ Octantis and β Lyræ.
	G	+ 0° 491	Meridian Mark.
30	G	+ 0° 509	σ Octantis and μ Herculis.
September 1	C	+ 0° 463	σ Octantis and β Lyræ.
4	G	+ 0° 499	σ Octantis and μ Herculis.
5	I	+ 0° 634	σ Octantis and μ Herculis.

TABLE III—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873. September 8	G	+ 0° 55' 2"	σ Octantis and β Lyræ.
9	C	+ 0° 47' 1"	σ Octantis and β Lyræ.
10	F	+ 0° 43' 1"	σ Octantis and μ Herculis.
11	C	+ 0° 50' 4"	σ Octantis and β^1 Lyræ.
11 } 12 }	C	+ 0° 53' 1"	Two Consecutive Transits of β Hydri.
15	C	+ 0° 39' 7"	σ Octantis and μ Herculis.
16	G	+ 0° 53' 0"	σ Octantis and β Lyræ.
	G	+ 0° 58' 1"	A Octantis S.P. and β Aquilæ.
	G	+ 0° 50' 0"	Meridian Mark.
17	F	+ 0° 43' 8"	σ Octantis and μ Herculis.
18 } 19 }	{ C C F }	+ 0° 51' 5"	Three Consecutive Transits of σ Octantis.
18	G	+ 0° 46' 0"	Meridian Mark.
19	I	+ 0° 40' 9"	A Octantis S.P. and β Aquilæ.
	I	+ 0° 66' 8"	σ Octantis and ω Piscium.
20	G	+ 0° 48' 7"	σ Octantis and μ Herculis.
21	G	+ 0° 49' 4"	σ Octantis S.P. and α Orionis.
22	C	+ 0° 52' 2"	B Octantis and ϵ Pegasi.
	G	+ 0° 51' 7"	Meridian Mark.
23	G	+ 0° 47' 6"	σ Octantis and μ Herculis.
25 } 26 }	{ F C F }	+ 0° 54' 6"	Three Consecutive Transits of σ Octantis.
25	C	+ 0° 52' 4"	B Octantis and η Aquarii.
26	I	+ 0° 34' 3"	A Octantis S.P. and γ Vulpeculæ.
30	G	+ 0° 49' 0"	A Octantis S.P. and ϵ Pegasi.
	G	+ 0° 45' 4"	B Octantis and γ Pegasi.
October 1	F	+ 0° 56' 0"	A Octantis S.P. and ϵ Pegasi.
	F	+ 0° 48' 1"	B Octantis and ϵ Pegasi.
2	I	+ 0° 31' 4"	A Octantis S.P. and ρ Capricorni.
	I	+ 0° 65' 1"	B Octantis and ϵ Pegasi.
3	G	+ 0° 53' 3"	B Octantis and β Aquarii.
4	C	+ 0° 42' 8"	C Octantis and η Aquarii.
6	C	+ 0° 40' 7"	C Octantis and α Piscis Australis.
	C	+ 0° 46' 3"	β Hydri and γ Ceti.
8	F	+ 0° 43' 8"	B Octantis and ϵ Pegasi.

TABLE III—Continued.

Azimuthal Errors of the Transit-circle, observed in 1873.

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873.		s	
October 9	I	+ 0.590	B Octantis and ϵ Pegasi.
	I	+ 0.497	C Octantis and η Aquarii.
	G	+ 0.320	Meridian Mark.
10	C	+ 0.473	C Octantis and ζ Pegasi.
11	G	+ 0.505	B Octantis and β Aquarii.
13	F	+ 0.471	B Octantis and ϵ Pegasi.
14	F	+ 0.472	C Octantis and α Pegasi.
15	I	+ 0.614	B Octantis and γ Piscium.
	I	+ 0.321	β Hydri and β Ceti.
17	I	+ 0.643	B Octantis and ϵ Pegasi.
	I	+ 0.561	C Octantis and η Aquarii.
	G	+ 0.441	Meridian Mark.
21	I	+ 0.493	β Hydri and β Ceti.
23	F	+ 0.438	C Octantis and η Aquarii.
24	I	+ 0.669	B Octantis and ϵ Pegasi.
	I	+ 0.505	C Octantis and η Aquarii.
25	G	+ 0.458	Meridian Mark.
28	I	+ 0.494	C Octantis and η Aquarii.
29	F	+ 0.405	β Hydri and α Andromedæ.
30	F	+ 0.345	β Hydri and 12 Ceti.
31	I	+ 0.517	C Octantis and α Piscis Australis.
November 1	G	+ 0.418	β Hydri and 12 Ceti.
2 } 3 }	{ F } { G }	+ 0.455	Four Consecutive Transits of β Hydri.
3	G	+ 0.493	τ Octantis and κ Piscium.
5	G	+ 0.363	β Hydri and 12 Ceti.
7	F	+ 0.417	τ Octantis and κ Piscium.
	F	+ 0.355	β Hydri and 12 Ceti.
9	G	+ 0.405	β Hydri and 12 Ceti.
10	I	+ 0.516	τ Octantis and ι Piscium.
	I	+ 0.429	β Hydri and β Ceti.
12	G	+ 0.493	τ Octantis and κ Piscium.
	S	+ 0.463	\circ Octantis and β Ceti.
13	I	+ 0.571	\circ Octantis and β Ceti.
14	G	+ 0.468	τ Octantis and κ Piscium.
17	G	+ 0.426	τ Octantis and κ Piscium.
	G	+ 0.503	\circ Octantis and β Ceti.

TABLE III.—*Concluded.**Azimuthal Errors of the Transit-circle, observed in 1873.*

Day of Observation.	Observer.	Error of Azimuth.	How determined.
1873. November 18	I	+ 0° 629	α Octantis and β Ceti.
20	I	+ 0° 616	α Octantis and β Ceti.
21	G	+ 0° 527	α Octantis and β Ceti.
24	I	+ 0° 694	α Octantis and ω Piscium.
27	G	+ 0° 518	α Octantis and β Ceti.
28	I	+ 0° 665	α Octantis and β Ceti.
December 1	F	+ 0° 592	α Octantis and β Ceti.
5	G	+ 0° 541	α Octantis and β Ceti.
8	I	+ 0° 492	Z Octantis S.P. and ξ^2 Ceti.
9	G	+ 0° 411	Z Octantis S.P. and ξ^2 Ceti.
10	S	+ 0° 475	Z Octantis S.P. and α^1 Eridani.
11	G	+ 0° 514	Z Octantis S.P. and ξ^2 Ceti.
12	I	+ 0° 491	Z Octantis S.P. and γ^2 Ceti.
13	G	+ 0° 434	Meridian Mark.
15	I	+ 0° 419	Z Octantis S.P. and γ^2 Ceti.
16	G	+ 0° 573	Z Octantis S.P. and γ^2 Ceti.
19	I	+ 0° 456	Z Octantis S.P. and γ^2 Ceti.
	I	+ 0° 476	σ Octantis S.P. and μ Geminorum.
20	G	+ 0° 552	Z Octantis S.P. and γ^2 Ceti.
22	G	+ 0° 623	Z Octantis S.P. and γ^2 Ceti.
24	C	+ 0° 732	Z Octantis S.P. and α Ceti.

TABLE IV.

Rates of the Transit-clock used in the Reduction of the Observations during the Year 1873.

Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.	Day.	Adopted Losing Rate.
Jan. 3	^s -0.39	Apr. 4	^s -0.95	July 30	^s -0.99	Oct. 11	^s -0.97
7	0.32	9	1.05	Aug. 1	1.07	12	1.00
8	0.21	10	1.09	3	1.02	13	0.97
10	0.28	17	1.19	4	1.04	15	0.94
14	0.25	18	1.22	5	0.99	17	1.01
15	0.23	22	1.05	6	1.11	21	0.82
16	0.33	23	1.02	7	1.19	23	0.91
22	0.29	24	0.99	8	1.09	24	0.99
24	0.38	25	1.06	9	1.10	27	0.88
27	0.47	26	1.15	12	1.12	28	0.86
31	0.54	29	1.01	19	1.11	Nov. 2	0.91
Feb. 5	0.46	30	1.07	28	1.02	3	0.85
7	0.58	May 2	1.08	29	1.05	7	0.94
11	0.51	5	0.95	30	1.10	9	0.85
12	0.67	6	1.03	Sept. 1	0.96	10	0.94
15	0.70	17	1.23	4	0.99	11	1.10
19	0.83	18	1.26	5	1.05	13	0.84
20	0.96	21	1.27	8	0.94	14	0.92
21	1.05	23	1.14	10	1.12	16	0.86
25	0.75	29	1.28	11	1.18	17	0.85
26	0.60	June 20	1.06	15	1.10	18	0.87
27	0.55	21	1.13	16	1.12	20	0.88
28	0.69	25	1.29	17	1.22	24	0.79
Mar. 1	0.88	30	1.25	18	1.24	27	0.81
3	0.81	July 1	1.15	19	1.21	28	0.87
4	0.68	7	1.12	20	1.14	Dec. 1	1.16
11	0.82	8	1.10	22	1.03	5	0.90
12	0.84	9	1.09	25	1.15	8	0.81
13	0.90	10	1.18	26	1.05	9	1.00
14	0.99	13	1.17	30	0.99	10	1.04
17	0.91	14	1.14	Oct. 1	1.04	11	0.87
19	1.00	15	1.21	2	1.05	12	0.70
20	1.09	16	1.18	3	1.03	15	0.90
24	1.11	17	1.05	4	0.98	16	0.87
25	0.68	18	1.15	6	1.17	19	0.77
26	0.82	23	1.27	8	1.06	20	0.75
27	0.93	24	1.15	9	0.97	22	0.86
28	0.88	25	1.07	10	-0.90	23	-0.93
Apr. 1	-0.98	29	-0.98				

TABLE V.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1873.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Jan. 7	C	47	4.816	Mar. 1	G	46	4.830	Apr. 22	G	46	4.829
8	G	42	4.825	3	C	41	4.827	23	C	47	4.822
10	G	46	4.829	4	G	43	4.830		C	45	4.833
14	G	166	4.829	5	I	38	4.828	24	I	38	4.829
15	I	44	4.830	11	G	45	4.826	25	C	47	4.828
16	C	68	4.833	12	C	46	4.830		C	49	4.832
17	G	46	4.828	13	G	46	4.831	26	G	45	4.827
20	C	349	4.828	14	I	57	4.832	29	G	49	4.828
22	I	42	4.827		I	46	4.831	30	C	68	4.824
24	I	42	4.834	18	G	45	4.833	May 2	G	46	4.826
26	C	349	4.833	19	I	53	4.840	5	C	61	4.815
27	C	47	4.825	20	C	43	4.830	6	G	46	4.827
31	I	44	4.834	24	C	47	4.827	17	G	54	4.827
				25	G	45	4.832	18	G	44	4.825
Feb. 5	G	44	4.827	26	I	48	4.836	21	C	63	4.834
6	I	51	4.839		I	45	4.831	23	C	42	4.831
7	C	48	4.830	27	C	42	4.837	29	I	41	4.834
11	C	47	4.830		C	47	4.825				
12	G	48	4.828	28	G	45	4.830	June 20	I	42	4.783
15	G	45	4.828					21	C	45	4.786
19	I	51	4.826	Apr. 1	G	44	4.830	23	G	54	4.780
20	G	43	4.830	4	C	51	4.809	25	C	42	4.784
21	I	44	4.831		C	47	4.830	29	C	49	4.782
26	G	43	4.829	9	G	47	4.828	30	C	42	4.780
27	C	41	4.826	10	I	47	4.828				
28	G	46	4.829	17	I	47	4.827	July 1	G	44	4.782
				18	G	46	4.828		G	45	4.789

May 29.—Microscopes A and B taken off in order to remove the auxiliary microscopes a and b.

TABLE V.—Continued.

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1873.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
July 2	I	45	4.776	Aug. 19	F	57	4.783	Oct. 3	G	56	4.782
8	G	45	4.790	26	G	55	4.786	6	C	53	4.788
	G	51	4.789	28	C	49	4.788	8	F	50	4.792
9	C	45	4.779	29	F	80	4.792	9	I	56	4.793
	C	55	4.782					10	C	287	4.788
10	I	43	4.782	Sept. 1	C	46	4.786	11	G	56	4.791
14	C	50	4.789	4	G	55	4.781	13	F	56	4.796
16	F	53	4.789	5	I	44	4.791	17	I	56	4.794
17	C	49	4.790	8	G	55	4.786	21	I	56	4.789
18	I	46	4.784	9	C	51	4.793	23	F	52	4.795
21	C	49	4.788	10	F	57	4.787	24	I	56	4.789
23	G	46	4.787	11	C	51	4.793		I	49	4.795
	I	50	4.788	15	C	49	4.790	28	I	49	4.793
24	C	44	4.793	16	G	49	4.783				
25	F	59	4.791	17	F	57	4.795	Nov. 3	G	54	4.789
29	G	44	4.785	18	C	51	4.795	7	F	50	4.792
	G	44	4.790	19	I	46	4.793	10	I	54	4.790
30	F	62	4.779	20	G	45	4.792	11	G	44	4.791
	F	302	4.779	22	C	56	4.791	12	G	54	4.791
Aug. 1	C	55	4.792	23	G	51	4.784	13	I	50	4.787
4	C	41	4.787		G	51	4.782	14	G	54	4.794
5	G	42	4.784	25	C	56	4.786	17	G	54	4.787
6	I	41	4.793		C	46	4.785	18	I	46	4.790
7	F	54	4.791	26	I	42	4.790	20	I	41	4.788
	F	58	4.793	30	G	56	4.790	21	G	50	4.786
8	C	41	4.782		G	56	4.790	24	I	51	4.787
9	G	42	4.788	Oct. 1	F	319	4.786	27	G	47	4.790
12	G	43	4.781	2	I	56	4.795	28		43	4.794
16	F	74	4.790								

TABLE V.—*Concluded.*

Mean Run of the Microscope-Micrometers of the Transit-circle, or the number of Revolutions corresponding, in the Mean, to an Arc of 5' on the Circle, observed in 1873.

Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.	Day.	Observer.	Pointer Reading.	Mean Run.
Dec. 1	F	56	4.793	Dec. 11	G	43	4.789	Dec. 19	I	51	4.795
5	G	44	4.792	12	I	43	4.792	20	G	46	4.786
8	I	51	4.790	15	I	45	4.797	22	G	46	4.793
9	G	47	4.785	16	G	50	4.792	23	I	41	4.788
10	S	47	4.782	18	G	46	4.789				

TABLE VI.

Nadir Points of the Transit-circle, 1873.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Jan. 7 12	Wire....	11'46	11'46	C	Mar. 19 8	Wire....	12'74	12'74	I
8 11	..	11'21	11'21	G	20 12	..	12'81	12'81	C
10 12	..	11'72	11'72	G	24 12	..	12'65	12'65	C
14 11	..	13'08	13'08	G	25 12	..	12'96	12'26	G
15 11	..	13'23	13'23	I	26 8	..	12'95	12'95	I
16 11	..	13'38	13'38	C	27 9	..	12'84	12'84	C
20 23	..	15'16	15'16	C	28 12	..	12'62	12'62	G
22 11	..	14'68	14'68	I	Apr. 1 12	..	12'63	12'63	G
23 23	..	15'21	15'21	C	4 12	..	12'89	12'89	C
24 12	..	15'23	15'23	I	9 12	..	11'40	11'40	G
27 8	..	16'10	16'10	C	10 8	..	10'68	10'68	I
31 11	..	16'03	16'03	I	17 7	..	7'59	7'59	I
Feb. 5 12	..	16'46	16'46	G	18 10	..	7'64	7'64	G
6 12	..	15'83		I	22 11	..	7'03	7'03	G
7 12	..	16'16	16'16	C	23 10	..	6'87	6'87	C
11 12	..	16'31	16'31	C	24 8	..	6'64	6'64	I
12 10	..	16'68	16'68	G	25 8	..	6'98	6'98	C
15 10	..	16'38	16'38	G	26 11	..	6'90	6'90	G
19 12	..	16'13	16'13	I	29 10	..	7'03	7'03	G
20 12	..	16'14	16'14	G	30 8	..	7'21	7'21	C
21 11	..	15'97	15'97	I	May 2 11	..	7'20	7'20	G
26 11	..	16'11	16'11	G	5 10	..	7'75	7'75	C
27 11	..	16'89	16'89	C	6 11	..	7'74	7'74	G
28 11	..	15'59	15'59	G					
Mar. 1 11	..	14'92	14'92	G	May 17 10	Wire....	62'03	62'03	G
3 12	..	15'43	15'43	C	18 7	..	61'10	61'10	G
4 8	..	15'38	15'38	G	21 10	..	59'36	59'36	C
5 11	..	15'15	15'15	I	23 11	..	58'82	58'82	C
11 11	..	13'73	13'73	G	29 8	..	57'62	57'62	I
12 11	..	12'77	12'77	C					
13 11	..	12'47	12'47	G	June 20 10	Wire....	33'12	33'12	I
14 8	..	12'73	12'73	I	22 22	..	32'84		C
18 12	..	12'66	12'66	G	23 9	..	33'59	33'59	G

May 28—29. The wires of the Transit-circle broke. A new system was brought into use on June 19.

TABLE VI.—*Continued.**Nadir Points of the Transit-circle, 1873.*

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
June 25 13	Wire....	33°47'	33°47'	C	Sept. 10 9	Wire....	29°76'	29°76'	F
29 9	..	33°80'	33°80'	S	11 12	..	29°46'	29°46'	C
30 12	..	33°76'	33°76'	C	15 11	..	28°65'	28°65'	C
July 1 12	..	33°86'	33°86'	G	16 11	..	29°69'	29°69'	G
2 12	..	33°92'	33°92'	I	17 8	..	28°82'	28°82'	F
8 12	..	33°43'	33°43'	G	18 10	..	29°96'	29°96'	C
9 12	..	33°17'	33°17'	C	19 11	..	29°14'	29°14'	I
10 12	..	33°01'	33°01'	I	20 12	..	29°06'	29°06'	G
14 12	..	32°76'	32°76'	C	22 11	..	28°63'	28°63'	C
16 23	..	31°21'	31°21'	F	23 10	..	29°30'	29°30'	G
17 9	..	31°21'	31°21'	C	25 11	..	31°03'	31°03'	C
18 10	..	31°36'	31°36'	I	26 10	..	31°12'	31°12'	I
21 9	..	31°79'	31°79'	C	30 11	..	31°58'	31°58'	G
23 11	..	30°99'	30°99'	I	Oct. 1 11	..	31°11'	31°11'	F
23 19	..	31°59'	31°59'	G	2 10	..	30°82'	30°82'	I
24 11	..	30°96'	30°96'	C	3 11	..	31°25'	31°25'	G
25 9	..	30°83'	30°83'	F	4 11	..	30°88'	30°88'	C
29 12	..	30°81'	30°81'	G	6 11	..	31°11'	31°11'	C
30 11	..	31°13'	31°13'	F	8 12	..	30°78'	30°78'	F
Aug. 1 10	..	30°62'	30°62'	C	9 11	..	30°62'	30°62'	I
4 12	..	30°55'	30°55'	C	10 11	..	30°93'	30°93'	C
5 11	..	30°54'	30°54'	G	11 10	..	30°87'	30°87'	G
6 10	..	30°31'	30°31'	I	13 10	..	30°47'	30°47'	F
7 11	..	30°16'	30°16'	F	15 10	..	30°03'	30°03'	I
8 12	..	30°15'	30°15'	C	17 10	..	30°51'	30°51'	I
9 12	..	30°34'	30°34'	G	21 10	..	30°86'	30°86'	I
12 12	..	30°64'	30°64'	G	23 11	..	30°78'	30°78'	G
16 10	..	30°08'	30°08'	F	24 10	..	30°71'	30°71'	I
19 10	..	30°58'	30°58'	F	28 9	..	30°57'	30°57'	I
26 22	..	29°68'	29°68'	G	Nov. 3 12	..	30°91'	30°91'	G
28 10	..	29°28'	29°28'	C	7 9	..	31°39'	31°39'	F
29 9	..	29°11'	29°11'	F	10 10	..	31°15'	31°15'	I
Sept. 1 9	..	29°44'	29°44'	C	11 11	..	31°19'	31°19'	G
4 11	..	29°47'	29°47'	G	13 12	..	31°05'	31°05'	I
5 9	..	29°27'	29°27'	I	14 9	..	31°29'	31°29'	G
8 10	..	29°46'	29°46'	C	17 11	..	31°51'	31°51'	G
9 9	..	29°39'	29°39'	C	18 8	..	31°85'	31°85'	I

TABLE VI.—*Concluded.*

Nadir Points of the Transit-circle, 1873.

Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.	Day and Hour.	Object.	Seconds of observed Nadir Point.	Seconds of adopted Nadir Point.	Observer.
d h		"	"		d h		"	"	
Nov. 20 12	Wire....	31° 77	31° 77	I	Dec. 12 8	Wire....	31° 47	31° 47	I
21 11	..	32° 31	32° 31	G	15 10	..	31° 29	31° 29	I
24 9	..	32° 13	32° 13	I	16 12	..	31° 47	31° 47	G
27	..	32° 66	32° 66	G	18 11	..	32° 24	32° 24	G
28 9	..	32° 30	32° 30	I	19 8	..	32° 05	32° 05	I
Dec. 1 12	..	33° 16	33° 16	F	20 11	..	31° 80	31° 80	G
5 12	..	32° 35	32° 35	G	22 11	..	31° 86	31° 86	G
8 8	..	32° 21	32° 21	I	23 11	..	30° 97	30° 97	I
9 10	..	32° 53	32° 53	G	30 8	..	32° 80		C
11 11	..	31° 17	31° 17	G					

TABLE VII.

Separate Results of Direct and Reflexion Observations of Stars.

Day.	Object.	Circle Reading Direct.	Circle Reading Reflexion.
June	30	° ' "	° ' "
	B.A.C. 5626.....	29 13 29.52	150 59 38.49
	B.A.C. 5783.....	32 57 51.11	147 15 17.43
	β Ophiuchi.....	321 33 59.12	218 39 7.04
July	1 { * R.A. 16 ^h 41 ^m , N.P.D.	29 11 4.12	151 2 3.72
	153° 1'.....		
	14 σ Ophiuchi.....	321 56 8.08	218 16 55.24
	B.A.C. 5965.....	30 25 51.03	149 47 13.44
September	22 β Octantis.....	48 12 5.07	132 0 52.14
	α Aquarii.....	327 6 58.93	213 5 58.98
	25 Lacaille 8909.....	42 58 11.84	137 14 48.70
	α Aquarii.....	327 7 1.96	213 5 57.89
October	13 B.A.C. 7841.....	28 47 57.22	151 25 2.35

**ROYAL OBSERVATORY,
CAPE OF GOOD HOPE,**

SEPARATE RESULTS

FOR

MEAN R.A. OF STARS

OBSERVED IN THE YEAR

1873.

Separate Results for Mean R.A. of Stars observed

Day.	Observe.	h. m. s.	Day.	Observe.	h. m. s.	Day.	Observe.	h. m. s.
Lacaille 9727.			γ Pegasi.			Lacaille 57.		
Sept. 22	C	o o 53 ^o 04	Oct. 27	G	o 6 41 ^o 83	Oct. 1	F	o 14 46 ^o 74
26	I	52 ^o 06	Nov. 2	G	41 ^o 88	2	I	47 ^o 81
30	G	53 ^o 35	9	G	41 ^o 82	6	C	47 ^o 79
Lacaille 9734.			Lacaille 15.			Lacaille 64.		
Oct. 1	F	o 1 48 ^o 06	Sept. 26	I	o 8 3 ^o 05	Oct. 10	C	o 16 1 ^o 89
2	I	48 ^o 08	30	G	3 ^o 52	24	I	1 ^o 55
3	G	48 ^o 42	Oct. 1	F	3 ^o 05	28	F	2 ^o 21
α Andromedæ.			Lacaille 29.			Lacaille 76.		
Nov. 2	G	o 1 49 ^o 35	Oct. 2	I	o 10 18 ^o 10	Oct. 3	G	o 17 50 ^o 88
9	G	49 ^o 68	6	C	17 ^o 85	11	G	51 ^o 07
			9	I	17 ^o 99	13	F	50 ^o 76
Lacaille 9750.			Lacaille 33.			β Hydri.		
Oct. 6	C	o 4 1 ^o 31	Oct. 3	G	o 11 8 ^o 67	Jan. 7	G	S.P. o 19 2 ^o 72
Lacaille 9752.			Lacaille 39.			8	G	2 ^o 53
Oct. 11	G	o 4 3 ^o 68	Oct. 10	C	o 12 20 ^o 03	9	G	S.P. 2 ^o 56
13	F	3 ^o 44	11	G	20 ^o 03	10	G	2 ^o 66
17	I	3 ^o 86	13	F	20 ^o 01	15	I	S.P. 2 ^o 45
Lacaille 9756.			σ Octantis.			Feb. 5	G	2 ^o 41
Oct. 24	I	o 4 13 ^o 71	July 1	G	S.P. o 12 56 ^o 67	26	G	2 ^o 89
28	I	13 ^o 46	1	G	59 ^o 13	27	C	3 ^o 35
Nov. 3	G	13 ^o 57	2	G	S.P. 60 ^o 30	Mar. 1	G	2 ^o 79
			2	I	62 ^o 68	4	G	2 ^o 44
Lacaille 9764.			3	G	S.P. 62 ^o 89	13	C	2 ^o 96
Oct. 3	G	o 5 44 ^o 97	Lacaille 47.			13	G	S.P. 2 ^o 62
9	I	45 ^o 74	Sept. 30	G	o 13 32 ^o 33	14	C	2 ^o 90
10	C	45 ^o 23	Oct. 15	I	32 ^o 60	18	G	2 ^o 27
Nov. 7		45 ^o 10	17	I	32 ^o 00	18	G	S.P. 2 ^o 50
						20	C	2 ^o 77
						20	C	S.P. 2 ^o 50
						24	C	S.P. 2 ^o 59
						25	G	2 ^o 68
						25	G	2 ^o 59
						26	C	3 ^o 19
						27	C	S.P. 2 ^o 82
						27	G	2 ^o 44
						28	G	S.P. 2 ^o 70

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.							
β Hydri (continued).				ι Ceti.				β Ceti (continued).									
Mar. 28	G	o 19 2.40		Sept. 11	C	o 23 33.29		Oct. 2	I	o 37 12.80							
Apr. 3	C	2.95		Oct. 6	C	33.45		9	I	12.77							
4	C	S.P.	2.69	9	I	33.40		10	C	12.77							
4	C	2.57		11	G	33.52		17	I	12.75							
9	G	S.P.	2.30	13	F	33.44		21	I	12.75							
9	G	2.41		17	I	33.45		24	I	12.77							
16	C	2.50		Nov. 2	G	33.48		28	I	12.70							
17	I	S.P.	2.40	3	G	33.54		Nov. 9	G	12.80							
17	G	2.20		9	G	33.44		10	I	12.74							
18	G	S.P.	1.99	ϵ Andromedæ.				13	I	12.75							
18	G	2.30						14	G	12.75							
21	G	2.35						17	G	12.76							
22	G	S.P.	2.43	Oct. 10	C	o 31 50.84		18	I	12.69							
22	C	2.62		Lacaille 197.				20	I	12.69							
23	C	S.P.	2.56					Dec. 5	G	12.71							
23	I	2.65		β Ceti.				Lacaille 221.									
24	I	S.P.	2.79					May 23	C	S.P. o 36 10.79	Oct. 3				G	o 40 37.17	
24	C	2.50						Oct. 1	F	10.06							
30	C	S.P.	2.56	β Ceti.				δ Piscium.									
30	G	2.25										Jan. 8	G	o 37 12.76			
May 1	C	2.67						10	G	12.86		Oct. 1	F	o 42 5.65			
2	G	S.P.	2.52	Feb. 5	G	12.69		Lacaille 281.									
4	C	2.39		25	C	12.59		May 23	C	S.P. o 53 47.05							
5	C	S.P.	2.69	26	G	12.76		Oct. 11	G	47.22							
6	G	S.P.	2.30	27	C	12.82		17	I	47.01							
June 19	G	S.P.	2.58	Mar. 1	G	12.79		ϵ Piscium.									
19	G	2.78		4	G	12.70											
Sept. 11	C	2.65		20	C	12.72											
12	C	S.P.	2.57	25	G	12.77		Oct. 1	F	o 56 21.15							
Nov. 2	F	2.29		26	G	12.77		Nov. 18	I	21.32							
2	G	S.P.	2.56	27	C	12.85		Lacaille 313.									
3	G	2.58		28	G	12.70		Oct. 11	G	o 59 33.22							
3	G	S.P.	2.91	Apr. 9	G	12.77		24	I	33.58							
7	F	2.38		18	G	12.73		28	I	33.38							
10	I	2.50		May 6	G	12.57		Nov. 13	I	33.26							
Lacaille 113.				July 1	G	12.88											
Sept. 30	G	o 22 58.96		2	I	12.87											
Oct. 1	F	57.69		Sept. 30	G	12.78											
2	I	60.71															

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 320.			Lacaille 420.			Lacaille 505.		
May 23	C	S.P. 1 1 0°21	Oct. 11	G	1 16 42°63	Oct. 24	I	1 32 50°15
Oct. 17	I	0°98	13	F	41°86	28	I	50°42
			17	I	42°11	Nov. 3	G	49°87
Lacaille 322.			θ Ceti.			Lacaille 510.		
May 23	C	S.P. 1 2 7°86	Oct. 21	I	1 17 40°47	Nov. 10	I	1 33 11°99
Nov. 3	G	8°49	24	I	40°51	13	I	11°64
10	I	8°91	28	I	40°51	14	G	11°77
Lacaille 324.			Nov. 13	I	40°48	ν Piscium.		
Nov. 11	G	1 2 39°60	14	G	40°51	Dec. 8	I	1 34 49°31
14	G	39°39	17	G	40°52	12	I	49°41
17	G	39°70	20	I	40°53	18	G	49°47
Lacaille 342.			Lacaille 429.			Lacaille 521.		
Nov. 21	G	1 3 33°39	Oct. 28	I	1 21 10°04	Nov. 21	G	1 37 39°05
24	I	34°13	Nov. 3	G	9°22	24	F	39°28
27	G	33°96	10	I	9°16	27	G	40°56
Lacaille 330.			Lacaille 461.			Lacaille 517.		
Nov. 18	I	1 4 24°40	Nov. 11	G	1 24 36°88	Oct. 17	I	1 37 52°67
20	I	24°02	13	I	36°89	Nov. 17	G	52°53
Lacaille 350.			14	G	36°97	18	I	53°17
Oct. 11	G	1 5 60°99	η Piscium.			Lacaille 534.		
13	F	59°83	Oct. 13	F	1 24 41°33	Nov. 3	G	1 39 30°59
24	I	60°74	Nov. 18	G	41°47	10	I	30°63
Lacaille 360.			20	I	41°48	13	I	30°22
Oct. 28	I	1 6 8°99	Lacaille 455.			Lacaille 533.		
Nov. 13	I	9°56	Oct. 24	I	1 25 14°12	Nov. 14	G	1 39 35°54
14	G	9°48	Lacaille 471.			20	I	35°80
			Oct. 17	I	1 26 56°84	28	I	35°80
			Nov. 3	G	57°05			
			17	G	57°28			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 551.			Lacaille 556.			Arietis.		
Nov. 24	F	1 41 17.99	Nov. 20	I	1 44 48.74	July 29	G	2 0 1.04
Dec. 1	F	18.24	21	G	48.74	Mar. 18	G	0.85
5	G	19.13	28	F	48.96	Oct. 17	I	1.03
Lacaille 576.			β Arietis.			Dec. 11	G	0.96
Dec. 9	G	1 41 24.92	Dec. 16	G	1 47 37.77	12	I	1.05
10	S	25.53	Lacaille 623.			16	G	0.86
11	G	25.04	Nov. 3	G	1 47 46.65	Lacaille 652.		
Lacaille 558.			10	I	46.98	Nov. 24	F	2 0 35.74
Oct. 24	I	1 42 18.85	13	I	46.37	28	F	35.59
28	I	18.51	Lacaille 606.			Dec. 1	S	35.69
Lacaille 592.			Nov. 14	G	1 49 1.08	Lacaille 675.		
Dec. 12	I	1 42 29.50	17	G	1.45	Oct. 24	I	2 1 49.93
16	G	29.66	18	I	1.34	Nov. 13	I	49.60
Lacaille 563.			Lacaille 633.			20	I	49.56
Nov. 14	G	1 42 45.72	Oct. 24	I	1 50 48.54	Lacaille 700.		
17	G	46.07	Nov. 20	I	48.19	Dec. 5	G	2 2 50.91
Dec. 8	I	46.15	Lacaille 628.			8	I	51.46
Lacaille 564.			Nov. 21	G	1 52 1.15	9	G	50.91
Nov. 24	F	1 44 35.10	24	F	0.46	11	G	51.19
Dec. 1	F	36.25	28	F	0.92	Lacaille 760.		
5	G	36.20	Lacaille 637.			May 23	C	S.P. 2 3 33.23
Lacaille 573.			Nov. 3	G	1 56 6.10	Lacaille 686.		
Dec. 9	G	1 44 47.01	10	I	6.03	Nov. 10	I	2 4 40.71
10	S	46.49	Lacaille 656.			14	G	40.17
11	G	47.11	Nov. 14	G	1 58 29.67	17	G	40.15
			17	G	29.85	Lacaille 716.		
			18	I	30.26	Aug. 7	F	2 5 35.04
						Nov. 21	G	35.66
						24	F	34.86
						28	F	34.63
						* 8.7 mag. N.P.D. 173° 20'.		
						Dec. 1	S	2 9 11.28

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 743.			♄ Ceti.			γ ² Ceti.		
Nov. 21	G	2 9 41.15	Nov. 10	I	2 21 24.53	Aug. 6	I	2 36 43.21
24	F	40.85	13	I	24.51	Nov. 13	I	43.30
28	F	40.64	14	G	24.45	Dec. 11	G	43.26
Lacaille 709.			17	G	24.41	12	I	43.26
Nov. 13	I	2 10 23.08	28	F	24.48	16	G	43.26
Dec. 8	I	23.30	Dec. 5	G	24.54	19	I	43.49
9	G	23.05	8	I	24.57	Lacaille 966.		
Lacaille 704.			11	G	24.54	Nov. 14	G	2 42 12.46
Nov. 14	G	2 10 24.22	Lacaille 870.			20	I	12.85
20	I	24.21	Nov. 13	I	2 26 29.96	21	G	12.57
Dec. 23	I	24.24	14	G	30.22	σ Arietis.		
Lacaille 710.			17	G	30.30	Nov. 28	F	2 44 29.00
Dec. 5	G	2 10 37.41	Lacaille 835.			Lacaille 955.		
10	S	37.33	Nov. 10	I	2 30 30.70	Nov. 10	I	2 47 49.25
11	G	37.78	24	F	29.79	13	I	48.91
67 Ceti.			Dec. 1	S	29.75	14	G	48.73
July 29	G	2 10 38.94	Lacaille 864.			18	I	49.56
Oct. 24	I	38.92	Nov. 14	G	2 33 51.25	Lacaille 1884.		
28	I	39.00	18	I	51.78	July 30	F	S.P. 2 51 56.14
Nov. 10	I	39.03	20	I	51.29	30	F	57.56
Lacaille 715.			21	G	51.50	α Ceti.		
Dec. 12	I	2 11 6.30	μ Hydri or Lacaille 883.			Aug. 7	F	2 55 38.55
* 7.8 mag. N.P.D. 166° 56'.			Dec. 1	S	2 34 25.11	Nov. 10	I	38.45
Dec. 1	S	2 14 23.11	5	G	24.87	18	I	38.42
Lacaille 734.			Lacaille 894.			28	F	38.44
Nov. 21	G	2 14 23.24	Nov. 24	F	2 35 51.47	Dec. 18	G	38.54
24	F	23.31	Dec. 8	I	53.11			
28	F	23.18	9	G	53.52			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 995.			Lacaille 1140.			Lacaille 1281.		
Nov. 13	I	2 55 51.30	Jan. 15	I	3 22 56.42	Nov. 24	F	3 36 13.55
14	G	51.13	Nov. 24	F	55.18	Dec. 1	S	15.46
20	I	51.64	28	F	55.63	5	G	14.40
21	G	51.14						
Lacaille 1036.			Lacaille 1236.			Lacaille 1261.		
Nov. 10	I	3 0 42.51	Nov. 14	G	3 22 57.92	Nov. 20	I	3 39 50.08
18	I	42.26	18	I	57.96	24	F	49.60
			20	I	58.05	28	F	49.96
* N.P.D. 175° 40'.			Lacaille 1185.			7 Tauri.		
Nov. 24	I	3 2 38.49	Nov. 24	F	3 27 41.61	Nov. 18	I	3 39 56.30
			28	F	41.90			
8 Arietis.			Dec. 1	S	42.63	Lacaille 1279.		
Nov. 13	I	3 4 22.16	Lacaille 1263.			Jan. 8	G	3 41 22.40
20	I	22.13	Nov. 14	G	3 30 29.87	15	I	22.11
Dec. 18	G	22.15	Dec. 8	I	30.29	22	I	22.34
Lacaille 1090.			10	S	29.67	Lacaille 1296.		
Nov. 14	G	3 6 58.77	Lacaille 1222.			Dec. 5	G	3 41 22.96
17	G	59.29	Nov. 24	F	3 31 50.57	8	I	23.36
18	I	59.92	Dec. 1	S	51.51	10	S	22.87
Lacaille 1065.			5	G	50.88	Lacaille 1307.		
Nov. 28	F	3 7 13.67	Lacaille 1204.			Nov. 24	F	3 42 9.19
Dec. 1	S	14.09	Jan. 16	C	3 31 55.22	Dec. 11	G	9.51
5	G	13.85	Nov. 20	I	54.90	12	I	9.58
Lacaille 1086.			Lacaille 1278.			16	G	9.88
Jan. 15	I	3 12 45.05	Dec. 11	G	3 32 9.55	Lacaille 1340.		
July 25	F S.P.	44.68	12	I	9.61	July 30	F S.P.	3 45 39.21
Lacaille 1848.						Nov. 24	F	38.69
July 30	F S.P.	3 21. 7.75				Dec. 1	S	40.32

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Companion to Lacaille 1340.			γ^1 Eridani (continued).			γ Tauri.		
Dec. 1	S	3 45 54.13	Jan. 22	I	3 52 6.15	Dec. 8	I	4 12 34.00
			Apr. 9	G	6.21			
			Nov. 20	I	6.24			
Lacaille 1319.			Lacaille 1353.			Lacaille 1530.		
Jan. 8	G	3 48 45.20	Jan. 16	C	3 53 27.66	Jan. 22	I	4 15 59.07
10	G	45.31	Nov. 24	F	28.09	31	I	58.40
15	I	45.42	28	F	27.92	Aug. 16	F S.P.	57.90
Lacaille 1358.			Lacaille 1471.			Lacaille 1514.		
Dec. 18	G	3 49 37.10	Jan. 8	G	3 59 25.61	Jan. 14	G	4 16 34.38
19	I	38.08	10	G	25.41	15	I	34.66
20	G	36.68	14	G	25.92	16	C	34.35
Lacaille 1334.			Lacaille 1396.			Lacaille 1502.		
Nov. 24	F	3 50 14.99	Jan. 15	I	4 1 2.13	Jan. 8	G	4 18 10.80
Dec. 11	G	15.92	16	C	1.82	10	G	10.72
12	I	15.67	δ^1 Eridani.			ϵ Tauri.		
Lacaille 1328.			Jan. 3	G	4 5 40.00	Jan. 14	G	4 21 12.10
Dec. 10	S	3 50 27.99	8	G	39.99	Dec. 5	G	12.17
16	G	27.99	10	G	40.00	11	G	12.09
* 7 mag. N.P.D. 166° 48'.			14	G	40.00	12	I	12.19
Dec. 22	G	3 50 47.74	15	I	39.98	19	I	12.04
			22	I	40.11			
Lacaille 1343.			31	I	39.94	δ Mensæ.		
Dec. 1	S	3 51 8.75	Nov. 28	F	39.97	Jan. 7	C	4 26 37.88
5	G	7.93	Dec. 5	G	39.95	8	G	38.20
8	I	9.02	8	I	39.93	10	G	37.99
γ^1 Eridani.			12	I	39.93	Lacaille 1575.		
Jan. 3	G	3 52 6.27	18	G	40.03	Jan. 14	G	4 26 45.49
8	G	6.27	19	I	40.04	15	I	45.92
10	G	6.27	Lacaille 1444.			22	I	46.74
14	G	6.28	Jan. 8	G	4 8 29.83			
15	I	6.25	10	G	29.69			
			14	G	29.94			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Tauri.			Lacaille 1839.			Lacaille 1816 or 1819.		
Jan. 16	C	4 28 38.17	July 10	I	S.P. 4 36 56.66	Aug. 16	F	S.P. 4 54 14.72
July 1	G	38.04	14	C	S.P. 53.28	29	F	S.P. 13.79
Lacaille 1662.			18	I	S.P. 55.61	Dec. 8	I	14.23
Lacaille 1662.			23	I	S.P. 53.79	Lacaille 1768.		
Dec. 5	G	4 28 50.16	Lacaille 1707.			Jan. 7	C	4 56 17.08
8	I	50.15	Lacaille 1707.			8	G	17.22
11	G	50.58	Dec. 20	G	4 37 47.22	10	G	17.10
Lacaille 1584.			22	G	45.89	Lacaille 1752.		
Jan. 14	G	4 30 28.06	Lacaille 1645.			Jan. 14	G	4 58 51.19
Dec. 12	I	27.83	Feb. 5	C	4 37 55.41	27	C	51.48
Companion Star.			7	C	55.53	Feb. 5	G	51.10
Jan. 14	G	4 30 31.20	Dec. 8	I	55.41	7	C	51.20
Lacaille 1639.			Lacaille 1676.			Lacaille 1782.		
Jan. 15	I	4 32 19.46	Jan. 7	C	4 44 9.45	Dec. 5	G	4 59 48.69
22	I	19.83	22	I	10.15	8	I	49.13
27	C	19.29	24	I	9.89	11	G	48.90
Feb. 7	C	19.43	Lacaille 1703.			Lacaille 1784.		
Lacaille 1724.			Jan. 27	C	4 45 13.92	Dec. 12	I	4 59 53.69
Dec. 16	G	4 34 47.76	31	I	14.08	16	G	54.06
18	G	47.98	Feb. 5	G	13.48	ε Leporis.		
19	I	48.09	July 30	F	S.P. 13.00	Jan. 8	G	5 0 5.09
Lacaille 1718.			Lacaille 1702.			15	I	5.06
Aug. 16	F	S.P. 4 35 29.15	Jan. 8	G	4 48 37.65	24	I	5.19
Dec. 5	G	28.77	10	G	37.70	Dec. 19	I	4.94
11	G	28.87	ι Aurigæ.			Lacaille 1812.		
12	I	27.95	Jan. 27	C	4 48 43.54	Jan. 14	G	5 5 11.10
						15	I	11.73
						24	I	11.58
						Aug. 16	F	S.P. 11.00

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 1814.			Lacaille 1881.			δ Orionis.		
Feb. 5	G	5 7 4.47	Jan. 27	C	5 16 14.67	Jan. 7	C	5 25 31.17
7	C	4.89	31	I	14.66	15	I	31.05
19	I	4.97	Feb. 5	G	14.26	16	C	31.19
			7	C	14.19	Feb. 19	I	31.12
Lacaille 1829.			Lacaille 1935.			Lacaille 1937.		
Jan. 8	G	5 7 5.05	Jan. 27	C	5 20 25.45	Jan. 31	I	5 25 54.64
10	G	5.02	Feb. 11	C	26.21	Feb. 5	G	54.09
Aug. 29	F S.P.	4.29	19	I	26.05	7	C	54.60
			26	G	25.19			
Lacaille 1835.			Lacaille 1943.			Lacaille 1953.		
Dec. 5	G	5 8 22.81	Aug. 29	F S.P.	5 21 14.71	Dec. 12	I	5 26 19.52
			Dec. 11	G	15.02	18	G	19.43
			12	I	13.89	19	I	19.82
β Orionis.			θ Pictoris (1st *).			Lacaille 2066.		
Jan. 7	C	5 8 26.13	Jan. 8	G	5 21 49.38	Feb. 11	C	5 26 53.85
22	I	26.05	10	G	49.41	26	G	53.16
24	I	26.12	14	G	49.43	Mar. 1	G	54.16
27	C	26.08						
31	I	26.05				α Leporis.		
Dec. 8	I	26.12				Jan. 16	C	5 27 7.78
12	I	25.95				27	C	7.80
Lacaille 1857.			θ Pictoris (2nd *).			ε Orionis.		
Jan. 7	C	5 12 35.40	Jan. 8	G	5 21 53.49	Jan. 7	C	5 29 46.15
8	G	35.34	10	G	53.50	10	G	46.07
10	G	35.27	14	G	53.52	14	G	46.14
						15	I	46.21
Lacaille 1921.			Lacaille 1989.			16	C	46.15
Jan. 14	G	5 13 24.27	Aug. 16	F S.P.	5 24 46.60	27	C	46.16
15	I	25.06	Dec. 5	G	46.19	Feb. 5	G	46.20
22	I	25.21	16	G	46.21	21	I	46.14
						July 13	G	46.11
						Dec. 16	G	46.11

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 2050.			Lacaille 2103.			Lacaille 2210.		
Jan. 15	I	5 33 32.65	Feb. 26	G	5 46 57.35	Feb. 26	G	5 58 50.94
24	I	32.97	Mar. 1	G	57.35	27	C	51.32
31	I	32.86	3	C	57.19	28	G	51.40
α Columbæ.			Lacaille 2138.			Lacaille 2209.		
Jan. 16	C	5 35 2.96	Jan. 8	G	5 47 18.81	Feb. 5	G	5 59 38.78
27	C	2.92	15	I	19.05	15	G	39.42
Feb. 7	C	2.94	22	I	19.60	19	I	39.40
26	G	3.09	Lacaille 2052.			γ Orionis.		
Mar. 1	G	2.99	Jan. 10	G	5 48 0.80	Feb. 11	C	6 0 19.25
5	I	3.03	14	G	0.83	20	G	19.27
July 13	G	3.00	16	C	0.90	21	I	19.33
γ Mensæ.			α Orionis.			26	G	19.32
Jan. 8	G	5 36 55.28	Feb. 20	G	5 48 17.80	η Geminorum.		
10	G	55.51	21	I	17.79	Feb. 27	C	6 7 12.78
14	G	55.40	Mar. 5	I	17.81	μ Geminorum.		
Lacaille 2022.			July 13		17.80	Jan. 7	C	6 15 16.54
Feb. 5	G	5 37 11.54	29	G	17.74	10	G	16.59
11	C	11.69	Dec. 18	G	17.62	14	G	16.51
19	I	12.00	Lacaille 2171.			16	C	16.49
ι Mensæ.			Feb. 11	C	5 48 23.25	27	C	16.63
Jan. 7	C	5 43 23.83	15	G	23.41	Feb. 7	C	16.66
8	G	23.53	Lacaille 2296.			27	C	16.54
10	G	23.46	Feb. 7	C	5 54 50.50	28	G	16.65
14	G	23.79	11	C	50.85	Mar. 1	G	16.68
Lacaille 2125.			15	G	51.30	3	C	16.53
Jan. 24	I	5 45 45.05	19	I	50.91	4	G	16.68
Feb. 5	G	44.58	20	G	50.47	5	I	16.65
7	C	44.20	21	I	50.78	12	C	16.70
			Mar. 5	I	50.33	Sept. 16	G	16.56
						Dec. 19	I	16.63

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h.	m.	s.	Day.	Observer.	h.	m.	s.	Day.	Observer.	h.	m.	s.
Lacaille 2304.					Lacaille 2440.					Lacaille 2466.				
Feb. 5	G	6	16	3.39	Feb. 20	G	6	24	27.64	Feb. 5	G	6	34	7.48
15	G			2.75	21	I			27.50	7	C			7.52
19	I			3.44	26	G			26.97	11	C			7.78
Lacaille 2316.					π^A Doradus.					Lacaille 2502.				
Feb. 20	G ₂	6	16	15.78	Jan. 10	G	6	26	33.52	Jan. 22	I	6	36	22.05
21	I			16.07	27	C			33.72	24	I			21.64
26	G			15.60						31	I			21.90
Lacaille 2385.					Lacaille 2431.					ξ Geminorum.				
Feb. 27	C	6	18	30.45	Feb. 27	C	6	28	11.17	Mar. 3	C	6	38	9.72
28	G			30.67	28	G			11.71					
Mar. 1	G			80.77	Mar. 1	G			11.24					
Lacaille 2403.					Lacaille 2442.					Lacaille 2551.				
Feb. 15	G	6	18	55.98	Feb. 20	G	6	28	55.45	Jan. 27	C	6	39	12.80
20	G			56.27	21	I			55.71	Feb. 26	G			12.17
Lacaille 2363.					26	G			55.23	27	C			12.33
Mar. 3	C	6	20	57.45	γ Geminorum.					α Canis Majoris.				
5	I			57.56	Jan. 15	I	6	30	22.41	Jan. 28	I	6	39	33.00
12	C			57.33	22	I			22.43	31	I			32.91
Lacaille 2426.					24	I			22.45	Aug. 3	C			32.95
Feb. 5	G	6	21	40.67	31	I			22.57	10	G			32.79
15	G			40.40	Feb. 5	G			22.55	11	G			32.84
19	I			41.11	7	C			22.43	* 8.7 mag. N.P.D. 170° 29'.				
Lacaille 2439.					19				22.46	Jan. 27	C	6	39	53.22
Feb. 27	C	6	22	56.47	Mar. 4	G			22.47	Feb. 21	I			52.94
28	G			56.81	5	I			22.50	26	G			52.84
Mar. 1	G			56.64	11	G			22.45	Lacaille 2527.				
π^1 Doradus.					12	C			22.41	Feb. 11	C	6	40	16.75
Jan. 8	G	6	23	49.95	13	G			22.46	19	I			16.76
14	G			50.12	14	I			22.32	20	G			16.88
					Aug. 3	C			22.49					
					Sept. 25	C			22.35					

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 2592.			Lacaille 2663.			Lacaille 2845.		
Jan. 24	I	6 46 39.40	Feb. 20	G	6 57 8.51	Jan. 24	I	7 5 27.22
31	I	39.26	21	I	8.93	31	I	27.34
Feb. 5	G	38.64	26	G	8.07	Feb. 5	G	26.17
B Carinæ.			γ Canis Majoris.			Lacaille 2794.		
Jan. 8	G	6 47 5.78	Feb. 27	C	6 58 0.76	Feb. 20	G	7 5 56.00
10	G	5.60	28	G	0.72	21	I	56.11
14	G	5.64	Mar. 1	G	0.70	26	G	55.80
θ Canis Majoris.			14	I	0.81	Lacaille 2800.		
Mar. 3	C	6 48 17.36	July 29	G	0.76	Jan. 24	I	7 11 59.49
ζ Mensæ or Lacaille 2648.			Lacaille 2724.			31	I	59.49
Feb. 11	C	6 50 34.96	Jan. 24	I	6 58 31.89	Feb. 5	G	59.08
26	G	34.37	27	C	31.37	Lacaille 2799.		
Lacaille 2630.			Feb. 7	C	31.53	Feb. 20	G	7 12 10.64
Feb. 27	C	6 52 44.05	19	I	31.84	26	G	10.53
Mar. 1	G	44.25	Lacaille 2719.			27	C	10.68
3	C	44.39	Mar. 11	G	6 59 40.67	Mar. 3	C	10.63
ε Canis Majoris.			12	C	41.25	δ Geminorum.		
Jan. 22	I	6 53 38.03	Lacaille 2689.			Jan. 27	C	7 12 32.24
24	I	38.02	Mar. 3	C	7 0 7.35	Feb. 7	C	32.25
Mar. 4	G	38.12	4	G	7.70	21	I	32.16
July 13	G	38.12	5	I	7.82	Mar. 5	I	32.28
Aug. 3	C	37.95	Lacaille 2788.			11	G	32.29
Lacaille 2658.			Feb. 26	G	7 0 33.09	12	C	32.16
Jan. 31		6 56 9.48	28	G	33.49	Aug. 3	C	32.34
Feb. 5	G	8.89	Mar. 1	G	33.02	Lacaille 2856.		
			θ Mensæ.			Feb. 11	C	7 17 15.08
			Feb. 11	C	7 4 34.02	20	G	15.09
			15	G	34.36	Mar. 3	C	14.76
			Mar. 4	G	34.07			

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
Lacaille 2936.				Lacaille 2927.				Lacaille 3040.			
Feb. 27	C	7	17 34.22	Mar. 1	G	7	29 47.64	Feb. 21	I	7	38 2.54
28	G		34.63	3	C		47.78	27	C		2.05
Mar. 1	G		34.60	4	G		47.67	28	G		2.15
Lacaille 2846.				Lacaille 3096.				Lacaille 3029.			
Jan. 31	I	7	19 31.19	Mar. 1	G	7	31 56.83	Jan. 24	I	7	38 6.31
Feb. 5	G		30.99	4	G		56.44	Feb. 5	G		5.73
7	C		30.90	5	I		56.37	7	C		6.07
β Canis Minoris.				ε Mensæ or Lacaille 2993.				Lacaille 3067.			
Feb. 25	C	7	20 15.81	Feb. 7	C	7	32 34.55	Feb. 11	C	7	41 9.13
				Mar. 11	G		34.50	19	I		9.43
				12	C		34.20	20	G		9.04
Lacaille 2891.				α Canis Minoris.				Lacaille 2990.			
Feb. 19	I	7	22 22.57	Jan. 24	I	7	32 39.05	Mar. 28	G	7	43 41.55
20	G		22.28	31	I		39.08	Apr. 1	G		41.49
28	G		22.00	Feb. 5	G		39.11	ξ Navis.			
Lacaille 2942.				11	C		39.16	Mar. 3	C	7	43 57.13
Jan. 24	I	7	25 28.28	20	G		39.16	Lacaille 3107.			
31	I		28.16	25	C		39.09	Jan. 24	I	7	46 5.57
Feb. 5	G		27.67	27	C		39.06	Feb. 5	G		5.11
α Geminorum.				28	G		39.15	11	C		5.40
Feb. 7	C	7	26 29.76	Oct. 2	I		39.05	Lacaille 3069.			
11	C		29.56	β Geminorum.				Mar. 28	G	7	49 28.78
25	C		29.80	Feb. 11	C	7	37 32.59	Apr. 1	G		29.05
Lacaille 2948.				25	C		32.61	Lacaille 3204.			
Feb. 19	I	7	28 45.04	26	G		32.47	Feb. 5	G	7	52 36.69
20	G		44.61	Mar. 1	G		32.50	7	C		36.84
28	G		44.70	5	I		32.40	19	I		36.79
				11	G		32.32				
				12	C		32.54				
				Aug. 3	C		32.44				
				Sept. 26	I		32.58				
				Oct. 2	I		32.49				

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 3214.			Lacaille 3270.			Lacaille 3332.		
Feb. 20	G	7 53 46.93	Feb. 20	G	8 4 28.76	Feb. 20	G	8 13 20.28
21	I	46.65	21	I	28.74	21	I	20.26
28	G	47.15	Mar. 1	G	28.67	Mar. 13	G	20.19
Lacaille 3105.			Lacaille 3282.			Lacaille 3404.		
Mar. 28	G	7 54 35.22	Feb. 5	G	8 6 41.36	Feb. 5	G	8 16 54.41
Apr. 1	G	35.39	7	C	41.47	7	C	54.64
Lacaille 3226.			11	C	41.58	11	C	54.41
Feb. 11	C	7 56 7.79	Lacaille 3371.			Lacaille 3415.		
Mar. 1	G	8.25	Feb. 19	I	8 8 36.93	Feb. 20	G	8 20 40.14
3	C	7.93	Mar. 5	I	36.69	21	I	40.49
Lacaille 3238.			13	G	36.12	28	G	40.41
Mar. 4	G	7 57 35.67	β Cancr.			α Chamæleontis or Lacaille 3400.		
5	I	35.91	Oct. 9 I 8 9 37.61			Mar. 1	G	8 21 46.05
11	G	35.91	A Octantis.			4	G	45.82
Lacaille 3245.			Mar. 3	C	8 11 56.02	5	I	46.09
Feb. 5	G	7 59 1.94	Apr. 22	G	55.08	θ Chamæleontis.		
Mar. 12	C	1.92	22	G	S.P. 54.22	Mar. 12	C	8 24 24.51
13	G	2.02	23	G	54.03	13	G	24.31
15 Argûs.			25	C	54.86	14	I	24.35
Feb. 19	I	8 2 8.07	25	C	S.P. 55.29	Lacaille 3440.		
20	G	8.03	26	G	54.19	Feb. 5	G	8 24 27.36
21	I	7.99	26	G	S.P. 54.16	19	I	27.53
26	G	7.99	30	C	55.71	Mar. 11	G	27.29
Mar. 11	G	8.17	30	C	S.P. 54.04	η Cancr.		
13	G	8.19	May 2	G	55.03	Feb. 7	C	8 25 21.71
28	G	7.94	2	G	S.P. 56.64	27	C	21.72
Apr. 1	G	8.02	Sept. 16	G	S.P. 54.14	28	G	21.74
Oct. 9	I	8.06	30	G	S.P. 54.50	Mar. 1	G	21.77
			Oct. 1	F	S.P. 53.83	Apr. 25	C	21.71
						26	G	21.64
						My 2	G	21.59

Separate Results for Mean R.A. of Stars observed

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 3437.			Lacaille 3563.			Lacaille 3623.		
Mar. 5	I	8 25 38.10	Mar. 1	G	8 38 37.11	Feb. 19	I	8 45 35.21
18	G	38.42	3	C	37.22	27	C	35.02
19	I	38.41	11	G	37.36	28	G	35.17
* 8 mag. N.P.D. 166° 1'.			Lacaille 3586.			Lacaille 3611.		
Mar. 18	G	8 25 43.59	Mar. 12	C	8 39 30.08	Feb. 20	G	8 45 35.97
			13	G	29.76	Mar. 13	G	35.81
			14	I	30.12	14	I	36.28
Lacaille 3464.			ε Hydræ.			Lacaille 3630.		
Feb. 20	G	8 29 34.96	Feb. 11	C	8 40 2.92	Mar. 25	G	8 46 4.48
21	I	34.97	19	I	2.95	26	I	4.30
26	G	34.89	Apr. 30	C	2.95	28	G	3.91
			May 5	C	3.01			
Lacaille 3537.			Lacaille 3576.			Lacaille 3616.		
Feb. 5	G	8 31 45.82	Feb. 20	G	8 40 20.29	Feb. 20	G	8 46 12.34
7	C	46.25	21	I	20.41	21	I	12.44
11	C	46.15	28	G	20.49	26	G	11.88
						Mar. 12	C	11.92
Lacaille 3523.			Lacaille 3581.			Lacaille 3644.		
Feb. 19	I	8 33 31.65	Mar. 18	G	8 40 25.25	Mar. 25	G	8 47 29.54
27	C	31.34	19	I	25.37	26	I	29.06
28	G	31.26	25	G	25.27	28	G	28.98
Lacaille 3533.			Lacaille 3653.			Lacaille 3632.		
Feb. 20	G	8 35 15.41	Mar. 1	G	8 44 5.73	Feb. 21	I	8 48 9.85
21	I	15.28	5	I	5.95	26	G	9.75
26	G	15.19	11	G	5.86	Mar. 13	G	9.86
Mar. 5	I	15.47	Lacaille 3627.			Lacaille 3669.		
Canci.			Mar. 18	G	8 45 13.04	Feb. 19	I	8 50 31.50
Mar. 3	C	8 35 56.03	19	I	13.45	Mar. 3	C	31.53
			20	C	13.40	5	I	31.18

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Cancri.			Lacaille 3822.			α Hydræ (continued).		
Feb. 27	C	9 0 52.07	Feb. 20	G	9 14 16.86	Apr. 17	I	9 21 20.72
Mar. 24	C	52.09	Mar. 4	G	16.60	18	G	20.58
Lacaille 3724.			5	I	16.70	22	G	20.70
Feb. 19	I	9 1 16.97	Lacaille 3882.			24	I	20.83
Mar. 3	C	16.85	Mar. 14	I	9 14 52.72	25	C	20.78
5	I	16.98	19	I	52.72	Sept. 16	G	20.77
11	G	17.03	25	G	52.33	Oct. 1	F	20.64
Lacaille 3778.			Lacaille 3906.			12	G	20.54
Feb. 20	G	9 7 38.21	Mar. 11	G	9 18 27.16	21	I	20.81
Mar. 3	C	38.34	12	C	27.12	Lacaille 3951.		
4	G	38.00	13	G	26.85	Mar. 12	C	9 24 33.12
12	C	38.13	Lacaille 3955.			13	G	32.87
83 Cancri.			Mar. 24	C	9 20 27.16	14	I	33.26
Feb. 26	G	9 11 53.47	25	G	26.26	ξ Leonis.		
Mar. 5	I	53.53	26	I	25.59	May 5	C	9 25 5.89
13	G	53.36	Lacaille 3888.			Lacaille 3941.		
14	I	53.48	Feb. 20	G	9 20 53.86	Mar. 27	C	9 25 10.63
18	G	53.56	Mar. 3	C	54.15	28	G	10.54
19	I	53.43	5	I	54.13	Apr. 1	G	11.18
20	C	53.44	Lacaille 3898.			Lacaille 3931.		
25	G	53.43	Mar. 18	G	9 21 5.13	Mar. 18	G	9 25 23.67
26	I	53.42	19	I	5.65	24	C	23.83
28	G	53.43	20	C	5.48	25	G	23.94
Apr. 9	G	53.41	α Hydræ.			Lacaille 3933.		
Lacaille 3817.			Feb. 19	I	9 21 20.72	Apr. 4	C	9 25 51.06
Mar. 11	G	9 13 28.07	Mar. 28	G	20.80	9	G	50.79
12	C	28.01	Apr. 9	G	20.71	10	I	51.09
13	G	27.89	Lacaille 3840.					
			Mar. 18	G	9 14 7.05			
			20	C	7.59			
			24	C	7.54			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 3947.			Lacaille 4019.			Lacaille 4064.		
Apr. 17	I	9 26 10.11	Mar. 13	G	9 32 47.71	Mar. 12	C	9 43 50.87
23	C	10.23	14	I	48.19	18	G	50.98
24	I	10.09	20	C	48.36	19	I	51.21
Lacaille 4009.			Lacaille 4017.			Lacaille 4083.		
Mar. 5	I	9 26 31.23	Apr. 9	G	9 33 43.18	Mar. 20	C	9 44 54.51
26	I	30.87	10	I	43.71	24	C	54.60
Lacaille 3962.			17	I	43.53	26	I	54.41
Mar. 20	C	9 27 5.63	Lacaille 4041.			Lacaille 4081.		
Apr. 18	G	5.25	Feb. 20	G	9 35 15.41	Mar. 13	G	9 46 15.78
22	G	5.19	Mar. 4	G	14.96	14	I	15.95
* 7 mag. N.P.D. 174° 6'.			5	I	15.33	18	G	16.16
Mar. 19	I	9 27 44.26	Lacaille 4042.			Lacaille 4086.		
Lacaille 3981.			Mar. 24	C	9 36 11.41	Mar. 25	G	9 47 52.48
Feb. 19	I	9 28 17.94	27	C	11.26	27	C	52.16
20	G	17.85	28	G	10.92	28	G	52.24
Mar. 3	C	17.52	Apr. 1	G	11.53	Lacaille 4125.		
Oct. 8	F S.P.	17.83	4	C	10.99	Apr. 1	G	9 48 4.60
Lacaille 4027.			Lacaille 4048.			4	C	4.39
Mar. 4	G	9 28 33.56	Mar. 13	G	9 37 32.31	9	G	4.08
5	I	34.10	14	I	32.25	Lacaille 4103.		
Apr. 4	C	33.23	18	G	32.18	Mar. 13	G	9 49 49.04
Lacaille 3982.			ε Leonis.			14	I	49.48
Mar. 18	G	9 31 15.63	Mar. 3	C	9 38 38.34	18	G	49.44
28	G	15.21	11	G	38.39	Lacaille 4122.		
Apr. 1	G	15.60	Lacaille 4080.			Mar. 24	C	9 50 19.04
Lacaille 4013.			Mar. 3	C	9 42 37.35	Apr. 10	I	18.90
Mar. 25	G	9 32 29.73	4	G	37.46	17	I	18.62
26	I	29.88	5	I	37.60			
27	C	29.67						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 4139.			Lacaille 4232.			Lacaille 4284.		
Mar. 19	I	9 52 49.39	Mar. 18	G	10 4 1.02	Mar. 18	G	10 13 46.46
25	G	49.01	25	G	1.42	28	G	46.12
26	I	48.95	27	C	1.26	Apr. 1	G	46.85
π Leonis.			Lacaille 4226.			μ Hydræ.		
Mar. 4	G	9 53 29.99	Mar. 28	G	10 5 36.06	Mar. 26	I	10 19 56.92
5	I	29.95	Apr. 1	G	36.25	Apr. 17	I	56.90
12	C	30.00	4	C	36.04	24	I	56.91
13	G	30.06	Lacaille 4246.			May 5	C	56.82
Apr. 18	G	30.09	Apr. 9	G	10 6 29.59	Lacaille 4346.		
23	C	30.09	17	I	29.90	Mar. 14	I	10 20 51.46
25	C	30.05	18	G	29.28	18	G	51.86
Lacaille 4195.			Lacaille 4254.			19	I	52.71
Mar. 13	G	10 0 1.18	Apr. 22	G	10 6 52.24	Lacaille 4341.		
14	I	1.56	23	C	52.25	Mar. 20	C	10 21 34.36
18	G	1.59	24	I	52.55	24	C	34.50
α Leonis.			Lacaille 4255.			25	G	33.73
Mar. 20	C	10 1 36.37	Mar. 20	C	10 11 2.31	Lacaille 4354.		
24	C	36.32	25	G	2.10	Mar. 26	I	10 24 47.45
25	G	36.38	27	C	2.27	27	C	47.46
26	I	36.38	Lacaille 4297.			28	G	47.10
27	C	36.45	Apr. 4	C	10 11 24.24	ρ Leonis.		
28	G	36.44	9	G	24.25	Mar. 14	I	10 26 7.38
Apr. 1	G	36.44	17	I	24.72	18	G	7.33
4	C	36.41	γ ¹ Leonis.			19	I	7.32
9	G	36.35	Mar. 14	I	10 12 58.08	Apr. 1	G	7.45
17	I	36.27	19	I	58.08	4	C	7.29
18	G	36.46	26	I	58.02	10	I	7.35
22	G	36.41	Apr. 10	I	57.96	22	G	7.41
23	C	36.40	22	G	57.99	25	C	7.37
25	C	36.35	Nov. 17	G	58.20	May 5	C	7.41
30	C	36.37				6	G	7.42
Sept. 30	G	36.37				21	C	7.33
Nov. 16	G	36.34						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 4392.			Lacaille 4414.			I Leonis.		
Mar. 20	C	10 28 47.88	Mar. 20	C	10 33 24.13	Mar. 14	I	10 42 34.74
24	C	47.95	24	C	23.97	26	I	34.78
25	G	47.19	25	G	23.75	Apr. 26	G	34.92
Lacaille 4436.			Lacaille 4431.			May 2	G	34.88
Mar. 14	I	10 30 16.95	Lacaille 4428.			Lacaille 4509 or δ Chamæleontis.		
18	G	17.07	Apr. 30	C	10 33 26.92	Mar. 18	G	10 44 1.96
19	I	17.21	May 2	G	27.33	19	I	2.22
Lacaille 4391.			5	C	26.69	20	C	2.30
Mar. 26	I	10 30 44.28	Lacaille 4441.			Lacaille 4513 or δ Chamæleontis.		
27	C	44.10	May 6	G	10 33 56.96	Mar. 20	C	10 44 34.63
28	G	44.04	17	G	56.94	24	C	33.95
*			18	G	56.92	25	G	33.77
Apr. 9	G	10 31 16.97	Lacaille 4460.			Lacaille 4512.		
Lacaille 4430.			Mar. 18	G	10 36 12.55	Apr. 1	G	10 46 10.54
Apr. 1	G	10 32 31.99	19	I	12.84	4	C	10.28
10	I	32.40	28	G	12.50	10	I	10.48
17	I	31.82	Lacaille 4489.			Lacaille 4529.		
Lacaille 4432.			Mar. 14	I	10 37 9.50	Mar. 14	I	10 48 5.50
Apr. 25	C	10 32 51.94	25	G	9.13	27	C	5.27
26	G	52.02	26	I	9.21	28	G	5.11
29	G	51.89	Lacaille 4504.			Lacaille 4528.		
Lacaille 4423.			Mar. 27	C	10 42 21.05	Apr. 1	G	10 48 19.03
Mar. 27	C	10 32 53.59	Apr. 9	G	21.43	4	C	18.69
Apr. 4	C	54.39	17	I	21.84	9	G	19.02
23	C	54.44	Lacaille 4528.					
Lacaille 4411.								
Apr. 18	G	10 33 3.63						
22	G	3.48						
24	I	3.33						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 4544.			γ Octantis or Lacaille 4643.			Lacaille 4720.		
Mar. 24	C	10 50 21.80	Mar. 13	G	11 0 8.07	Apr. 9	G	11 14 36.29
25	G	21.78	19	I	8.04	10	I	36.62
26	I	21.51	24	C	8.36	18	G	36.40
δ Leonis.			Lacaille 4635.			Lacaille 4729.		
Apr. 10	I	10 54 0.08	Apr. 9	G	11 1 12.13	Mar. 24	C	11 14 51.29
23	C	0.03	10	I	12.71	27	C	51.07
			18	G	12.10	28	G	50.84
Lacaille 4608.			Lacaille 4632.			Lacaille 4742.		
Apr. 1	G	10 57 22.01	Mar. 28	G	11 2 10.22	Mar. 26	I	11 17 40.45
4	C	22.41	Apr. 1	G	10.36	Apr. 1	G	40.76
9	G	21.80	4	C	10.53	4	C	40.76
Lacaille 4605.			δ Leonis.			τ Leonis.		
Apr. 17	I	10 57 43.48	Apr. 1	G	11 7 21.07	Apr. 10	I	11 21 24.27
22	G	42.95				Lacaille 4767.		
23	C	42.89				Mar. 19	I	11 22 50.40
Lacaille 4589.			Lacaille 4698.			20	C	50.73
Mar. 20	C	10 57 48.65	Mar. 19	I	11 7 28.98	24	C	50.72
27	C	48.54	24	C	29.21	Lacaille 4811.		
28	G	48.23	27	C	29.15	Mar. 28	G	11 27 11.45
χ Leonis.			Lacaille 4704.			Apr. 1	G	12.49
Mar. 18	G	10 58 27.86	Mar. 20	C	11 11 18.00	4	C	12.14
26	I	27.85	28	G	17.99	υ Leonis.		
Apr. 30	C	27.88	Apr. 1	G	18.52	Mar. 18	G	11 30 26.71
May 5	C	27.91	δ Crateris.			19	I	26.79
*			Mar. 19	I	11 12 59.49	25	G	26.69
Mar. 20	C	10 59 1.46	Apr. 22	G	59.49	26	I	26.81
27	C	1.34	May 6	G	59.50	27	C	26.72
						Apr. 9	G	26.80
						17	I	26.85

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
ν Leonis (<i>continued</i>).			β Leonis.			θ Crucis.		
Apr. 18	G	11 30 26.76	Mar. 24	C	11 42 34.76	Oct. 11	G	S.P. 11 57 46.99
24	I	26.73	27	C	34.75	Lacaille 5004.		
30	C	26.76	Apr. 1	G	34.75			
May 21	C	26.79	Oct. 23	G	34.74	Mar. 28	G	11 58 14.22
Lacaille 4831 or π^1 Chamæleontis.			27	G	34.70	Apr. 1	G	14.63
			Dec. 5	G	34.78	9	G	14.38
Mar. 20 C 11 32 2.60 28 G 2.26 Apr. 4 C 2.38			β Virginis.			Lacaille 5024.		
			Mar. 24 C 11 44 4.83 Apr. 17 I 4.80 Dec. 11 G 4.84					
Lacaille 4865.			Lacaille 4968.			Lacaille 5038.		
Mar. 24 C 11 34 30.91	Apr. 1 G 11 51 7.26 9 G 6.44 10 I 7.28							
Lacaille 4864.			Lacaille 4974.			ϵ Corvi.		
Mar. 27 C 11 36 7.59 Apr. 1 G 8.20 9 G 7.76	Mar. 18 G 11 53 21.30 26 I 20.65 28 G 20.89							
Lacaille 4873.			Lacaille 4975.			Lacaille 5064.		
			Mar. 18 G 11 53 47.19 26 I 46.59 28 G 46.56					
Lacaille 4874.			π Virginis.			Lacaille 5085.		
Mar. 20 C 11 37 34.12 26 I 34.38 28 G 33.88	May 21 C 11 54 21.85							
Lacaille 4880.			Lacaille 4991.			Mar. 18 G 12 10 56.50 28 G 56.57 Apr. 1 G 56.78		
			Apr. 4 C 11 38 28.56 9 G 29.09 10 I 28.92					

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 5093.			Lacaille 5171.			35 Virginis.		
Apr. 9	G	12 12 31.47	Mar. 13	G	12 23 58.79	Mar. 27	C	12 41 23.38
18	G	31.35	18	G	58.18	Apr. 17	I	23.44
22	G	31.06	24	C	58.25	Lacaille 5343.		
7 Virginis.			Lacaille 5177.			Apr. 9	G	12 53 46.02
Mar. 20	C	12 13 24.47	Mar. 28	G	12 24 12.91	17	I	45.86
24	C	24.48	Apr. 4	C	13.09	18	G	45.85
27	C	24.52	9	G	13.11	Lacaille 5339.		
Apr. 4	C	24.47	β Corvi.			Apr. 22	G	12 54 22.36
17	I	24.43	Mar. 13	G	12 27 43.00	23	C	22.27
Lacaille 5105.			18	G	43.19	26	G	21.83
Apr. 29	G	12 13 42.38	20	C	43.09	Lacaille 5353.		
30	C	42.90	24	C	43.01	May 2	G	12 56 25.18
May 2	G	42.64	28	G	43.07	6	G	25.47
5	C	42.53	Apr. 4	C	43.11	21	C	25.73
Lacaille 5104.			9	G	43.04	Lacaille 5369.		
Apr. 23	C	12 14 6.63	18	G	43.05	Apr. 18	G	12 58 11.94
25	C	6.65	22	G	43.11	22	G	12.01
26	G	6.51	23	C	43.04	23	C	11.95
Lacaille 5124.			24	I	42.98	θ Virginis.		
Apr. 9	G	12 16 53.24	26	G	43.06	Apr. 1	G	13 3 22.50
18	G	53.34	May 2	G	43.16	26	G	22.51
22	G	53.14	5	C	43.04	May 2	G	22.49
α ¹ Crucis.			6	G	43.07	6	G	22.59
May 21	C	12 19 33.24	July 1	G	43.04	Lacaille 5406.		
23	C	33.38	Oct. 23	G	43.02	Apr. 17	I	13 3 48.27
Lacaille 5145.			Nov. 9	G	43.06	18	G	48.07
Apr. 25	C	12 19 54.01	Dec. 8	I	43.10	22	G	48.06
26	G	53.86	Lacaille 5217.					
29	G	53.79	Mar. 27	C	12 30 44.33			
			Apr. 9	G	44.25			
			17	I	44.43			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 5424.			Lacaille 5520.			τ Virginis.		
Apr. 18	G	13 7 27.61	Apr. 22	G	13 20 56.36	July 1	G	13 55 11.02
22	G	27.50	May 29	I	56.44	2	I	11.03
23	C	27.53	June 20	I	56.54	Lacaille 5792.		
Lacaille 5427.			21	C	56.24	May 21	C	14 2 25.92
Apr. 26	G	13 7 36.13	Lacaille 5541.			29	I	26.02
May 2	G	36.20	Apr. 23	C	13 22 17.36	June 20	S	26.22
6	G	35.90	26	G	17.62	25	C	25.94
Lacaille 5473.			May 2	G	17.61	Lacaille 5816.		
Apr. 18	G	13 13 58.44	Lacaille 5577.			June 29	S	14 3 37.48
22	G	58.61	Apr. 18	G	13 28 23.76	30	C	37.42
23	C	58.42	22	G	23.73	Aug. 4	C S.P.	37.77
α Virginis.			26	G	23.71	*		
Jan. 15	I	13 18 30.18	τ Boötis.			June 30	C	14 3 46.10
Sept. 30	G	30.15	Apr. 23	C	13 41 13.69	Lacaille 5830.		
Oct. 23	G	30.18	Lacaille 5691.			July 8	G	14 5 9.36
27	G	30.16	Apr. 26	G	13 52 46.14	9	C	9.45
Nov. 2	G	30.06	May 2	G	45.20	10	I	9.22
3	G	30.14	6	G	45.97	Lacaille 5801.		
16	G	30.21	Lacaille 5757.			July 1	G	14 5 50.49
17	G	30.12	May 21	C	13 53 1.48	2	I	50.68
Dec. 11	G	30.31	23	C	1.96	7	S	51.09
16	G	29.99	29	I	1.78	δ Octantis or Lacaille 5802.		
Lacaille 5518.			Lacaille 5736.			Feb. 5	G	14 6 50.49
Apr. 18	G	13 19 20.91	June 25	C	13 53 8.08	July 14	C	50.09
23	C	20.68	29	S	8.32	15	G	50.65
26	G	20.95	July 29	G S.P.	7.79	17	C	50.20
Lacaille 5516.						23	G S.P.	50.23
May 2	G	13 20 10.91						
6	G	10.92						
21	C	11.04						

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 5828.			Lacaille 5884.			Z Octantis (<i>continued</i>).		
May 29	I	14 7 9.41	July 9	C	14 18 3 15	Aug. 4	C	S.P. 14 28 27.34
July 21	C	9.46	10	I	2.90	5	G	27.81
23	G	9.29	17	C	2.97	6	G	25.33
α Bötis.			Lacaille 5904.			6	I	S.P. 29.20
Feb. 5	G	14 9 52.19	July 1	G	14 18 37.26	7	C	28.98
July 10	I	52.13	2	I	37.37	7	F	S.P. 25.75
30	F	52.07	8	G	37.30	Lacaille 5980.		
Nov. 9	G	51.97	Lacaille 5924.			July 1	G	14 32 11.73
16	G	52.03	July 14	C	14 21 6.68	8	G	12.05
17	G	52.07	17	C	6.31	9	C	12.11
Lacaille 5876.			18	I	6.11	ε Bötis.		
June 30	C	14 13 46.46	ρ Bötis.			May 21	C	14 39 26.48
July 1	G	46.19	July 9	C	14 26 21.32	Lacaille 6036.		
2	I	46.41	10	I	21.42	July 8	G	14 39 45.83
Lacaille 5864.			Lacaille 5957.			9	C	46.16
July 7	S	14 13 50.79	July 1	G	14 27 59.45	10	I	45.81
8	G	50.60	2	I	59.69	Lacaille 6009.		
9	C	50.88	7	S	59.70	June 29	I	14 40 57.92
Lacaille 5835			Z Octantis.			July 1	G	57.14
May 21	C	14 14 1.44	May 21	C	14 28 25.61	Lacaille 6019.		
23	C	1.55	June 25	C	27.24	July 7	S	14 42 47.38
June 25	C	1.54	July 23	G	26.66	B.A.C. 4883 or Brisbane 5046.		
Lacaille 5885.			23	G	S.P. 27.19	June 30	C	14 42 55.62
July 14	C	14 16 16.61	24	C	27.13	July 16	F	55.62
15	G	16.89	24	G	S.P. 25.95	25	F	55.37
16	F	17.00	25	F	25.81	Aug. 4	C	55.32
21	C	16.79	29	G	27.46			
			29	G	S.P. 27.13			
			30	F	25.81			
			30	F	S.P. 23.12			
			Aug. 4	C	26.85			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 6077.			ψ Boötis.			Lacaille 6300.		
July 8	G	14 43 29.57	July 9	C	14 59 0.20	June 25	C	15 18 9.62
9	C	29.59	14	C	0.21	30	C	10.03
10	I	29.57	17	C	0.16	July 9	C	9.94
			18	I	0.06			
			24	C	0.19			
α^2 Libræ.			Lacaille 6194.			Lacaille 6311.		
Feb. 5	G	14 43 51.31	July 1	G	15 2 2.23	July 14	C	15 19 35.39
July 2	I	51.22	2	I	2.59	16	F	35.47
29	G	51.31	8	G	2.68	18	I	35.16
Lacaille 6006.			δ Libræ.			Lacaille 6339.		
July 21	C	14 43 57.42	July 14	C	15 4 59.11	July 1	G	15 21 56.29
23	I	56.52				2	I	56.57
24	C	57.92	Lacaille 6254.			8	G	56.55
Lacaille 6030.			July 1	G	15 9 42.05	Lacaille 6348.		
			2	I	42.27	July 9	C	15 22 31.76
July 14	C	14 45 18.21	8	G	42.35	10	I	31.44
17	C	18.22	β Libræ.			14	C	31.82
18	I	18.03	June 30	C	15 10 10.45	* 3. (Tempel's Comet.)		
ξ^2 Libræ.			July 10	I	10.37	Jan. 10	G	S.P. 15 25 7.07
July 17	C	14 49 52.81	14	C	10.43	α Coronæ Borealis.		
			24	C	10.44	June 25	C	15 29 18.62
Lacaille 6126.			Lacaille 6269.			30	C	18.60
June 20	I	14 53 5.06	July 16	F	15 13 54.20	July 8	G	18.56
29	S	4.12	18	I	53.98	17	C	18.64
30	C	4.47	21	C	54.16	Lacaille 6411.		
			23	I	54.60	July 1	G	15 33 53.76
Lacaille 6169.			Lacaille 6216.			2	I	54.06
July 1	G	14 55 58.64	July 1	G	15 14 21.71	8	G	53.69
2	I	58.81	2	I	22.03			
8	G	58.76	8	G	21.88			

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 6435.			γ Serpentis.			Lacaille 6603.		
June 30	C	15 36 21.88	June 25	C	15 50 35.26	July 9	C	16 3 39.48
July 9	C	22.04	July 17	C	35.24	14	C	39.70
10	I	20.83	Lacaille 6554.			18	I	39.24
α Serpentis.			July 16	F	15 50 51.10	23	I	39.02
July 30	F	15 38 0.77	23	I	51.01	Lacaille 6688.		
* 9. (Tuttle's Comet.)			25	F	50.97	July 1	G	16 6 22.11
Jan. 10	G	S.P. 15 40 29.45	Lacaille 6549.			2	I	22.26
Lacaille 6404.			July 2	I	15 51 0.22	8	G	22.47
July 14	C	15 40 57.95	8	G	0.04	δ Ophiuchi.		
16	F	57.56	9	C	0.03	June 25	C	16 7 41.43
18	I	57.61	Lacaille 6604.			July 10	I	41.46
Lacaille 6484.			July 8	G	15 56 38.56	14	C	41.45
July 1	G	15 42 18.50	9	C	38.70	18	I	41.56
8	G	18.81	14	C	38.73	30	F	41.50
9	C	18.88	β^1 Scorpii.			Lacaille 6762.		
ϵ Serpentis.			June 25	C	15 58 3.26	June 25	C	16 16 22.97
June 25	C	15 44 29.21	30	C	3.30	30	C	23.41
Lacaille 6513.			July 2	I	3.29	July 1	G	23.41
July 8	G	15 45 25.18	24	C	3.32	α Scorpii.		
9	C	25.27	Lacaille 6623.			Jan. 3	G	16 21 37.33
10	I	25.08	June 25	C	16 1 27.20	July 1	G	37.35
Lacaille 6527.			30	C	26.87	Dec. 11	G	37.18
July 14	C	15 48 18.22	July 1	G	27.01	16	G	37.04
18	I	17.93	Lacaille 6628.			Lacaille 6811.		
21	C	17.99	July 1	G	16 1 34.39	July 9	C	16 22 38.52
			2	I	34.35	10	I	38.62
			8	G	34.60	14	C	38.86

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 6791.			Lacaille 7028.			44 Ophiuchi.		
Jan. 16	C	S.P. 16 22 59.02	July 8	G	16 53 20.31	Aug. 19	F	17 18 37.01
27	C	S.P. 59.24	9	C	20.21	σ Ophiuchi.		
July 2	I	59.03	10	I	20.37			
8	G	58.98	Lacaille 7018.			July 9	C	17 20 12.88
ζ Ophiuchi.			July 1	G	16 55 29.18	α Ophiuchi.		
July 9	C	16 30 10.09	2	I	29.01			
ζ Herculis.			η Ophiuchi.			July 8	G	17 29 2.29
June 25	C	16 36 29.98	July 14	C	17 3 5.69	9	C	2.37
July 9	C	29.87	18	I	5.79	Lacaille 7332.		
30	F	29.94	Lacaille 7088.			July 2	I	17 33 4.15
Lacaille 6948.			Jan. 16	C	S.P. 17 7 45.31	Lacaille 7372.		
Jan. 8	G	S.P. 16 43 29.25	July 1	G	45.56	July 9	C	17 39 43.10
10	G	S.P. 28.71	α Herculis.			10	I	43.11
Lacaille 6939.			July 8	G	17 8 51.41	Lacaille 7361.		
Jan. 14	G	S.P. 16 44 18.05	9	C	51.45	Jan. 16	C	S.P. 17 39 44.96
16	C	S.P. 18.33	10	I	51.44	July 8	G	45.25
July 2	I	18.25	14	C	51.39	Brisbane 6058.		
Lacaille 6992.			18	I	51.40	July 2	I	17 39 59.87
July 2	I	16 49 45.79	Lacaille 7105.			μ Herculis.		
8	G	45.99	July 2	I	17 10 32.98			
κ Ophiuchi.			θ Ophiuchi.			Aug. 16	F	17 41 29.24
July 1	G	16 51 39.48	July 2	I	17 14 12.48	30	G	29.22
Aug. 6	I	39.46	8	G	12.75	Sept. 5	I	29.13
Lacaille 7020.			9	C	12.70	10	F	29.26
June 25	C	16 52 43.87	10	I	12.63	15	C	29.29
			Aug. 6	I	12.65	17	F	29.32
			16	F	12.62	18	C	29.22

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
89 Herculis.			Lacaille 7486.			Lacaille 7569.		
July 9	C	17 50 17.71	July 1	G	17 56 44.42	July 14	C	18 9 27.70
Lacaille 7462.			Lacaille 7511.			24	C	27.56
June 30	C	17 51 25.92	July 24	C	17 56 59.00	29	G	27.41
July 24	C	26.02	Aug. 4	C	58.39	Aug. 1	C	27.65
30	F	26.22	Lacaille 7466.			σ Octantis.		
Lacaille 7394.			July 14	C	17 57 24.45	July 30	F	18 11 50.39
July 14	C	17 52 22.68	18	I	24.45	Aug. 6	I	51.49
18	I	22.84	23	I	24.29	Sept. 18	C	46.40
23	I	22.56	* 6.7 mag. N.P.D. 166° 41'.			18	C S.P.	46.43
Lacaille 7348.			July 29	G	17 58 52.53	19	F	46.66
July 1	G	17 52 42.80	Brisbane 6229.			25	F	48.13
8	G	43.67	Mar. 1	G	S.P. 17 59 43.59	25	C S.P.	46.47
Lacaille 7474.			3	C	S.P. 43.30	26	F	47.94
July 29	G	17 53 21.04	Lacaille 7515.			η Serpentis.		
Aug. 1	C	21.46	June 30	C	18 3 50.38	June 30	C	18 14 44.30
4	C	21.13	Lacaille 7539.			July 18	I	44.30
* 8 mag. 165° 11'.			July 14	C	18 5 31.71	Lacaille 7562.		
Aug. 4	C	17 53 21.06	18	I	32.10	July 1	G	18 16 6.62
Lacaille 7473.			23	I	31.50	Lacaille 7548.		
July 25	F	17 53 29.62	Lacaille 7525.			July 1	G	18 19 38.59
Aug. 6	I	29.95	July 1	G	18 6 24.77	λ Sagittarii.		
8	C	29.85	Lacaille 7559.			June 25	C	18 20 7.91
Lacaille 7489.			July 24	C	18 6 30.81	30	C	7.92
Aug. 8	C	17 56 13.64	29	G	30.66	Lacaille 7573.		
9	G	13.63	Aug. 4	C	30.64	July 14	C	18 21 25.46
12	G	13.62				18	I	24.88
						23	I	24.76

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
Lacaille 7664.				Lacaille 7751 (continued).				♂ Aquilæ.			
July 24	C	18 23	13.77	Feb. 28	G	S.P. 18 52	30.89	Aug. 28	C	19 19	5.67
29	G		13.57	Mar. 5	I	S.P.	30.76	Sept. 1	C		5.67
Lacaille 7615.				12	C	S.P.	30.59	5	I		5.79
July 18	I	18 27	16.65	July 2	I		30.37	♂ Sagittarii.			
Lacaille 7612.				Lacaille 7884.				Aug. 1 C 19 28 58.61			
July 14	C	18 29	18.48	July 8	G	18 53	52.90	γ Aquilæ.			
23	I		18.11	9	C		52.79	July 29	G	19 40	13.31
24	C		18.37	Lacaille 7906.				Aug. 1	C		13.25
α Lyræ.				July 8	G	18 55	57.14	8	C		13.26
July 29	G	18 32	38.27	18	I		56.98	Oct. 6	C		13.31
Aug. 1	C		38.26	ζ Aquilæ.				10	C		13.30
β ¹ Lyræ.				July 2	I	18 59	34.44	Lacaille 8179.			
July 24	C	18 45	23.43	Aug. 6	I		34.33	Oct. 6	C	19 44	13.86
30	F		23.51	7	F		34.25	α Aquilæ.			
Aug. 1	C		23.43	8	C		34.37	Jan. 9	G	19 44	35.10
8	C		23.44	28	C		34.35	10	G		35.12
16	F		23.37	Sept. 1	C		34.39	14	G		35.13
28	C		23.39	11	C		34.36	Feb. 5	G		35.34
29	F		23.44	π Sagittarii.				20	G		35.21
Sept. 1	C		23.35	July 18	I	19 2	12.54	25	G		35.15
9	C		23.42	23	I		12.62	26	G		35.17
11	C		23.43	ω Aquilæ.				Aug. 6	I		35.15
15	C		23.41	Aug. 7	F	19 11	51.26	29	F		35.15
16	G		23.41	8	C		51.26	30	G		35.14
17	F		23.45	28	C		51.27	Sept. 9	C		35.18
Lacaille 7751.				Sept. 1	C		51.31	16	G		35.21
Feb. 7	C	S.P. 18 52	32.46	5	I		51.25	19	I		35.15
15	G	S.P.	31.63					Oct. 2	I		35.16
19	I	S.P.	31.28								
20	G	S.P.	30.85								
21	I	S.P.	31.10								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 8181.			τ Aquilæ.			Lacaille 8350.		
Oct. 6	C	19 44 47.62	Aug. 19	F	19 57 56.18	Aug. 30	G	20 11 30.28
9	I	47.64				Sept. 1	C	30.62
10	C	47.14	Lacaille 8301.			4	G	30.51
Lacaille 8212.			Aug. 4	C	20 3 48.77	5	I	30.01
July 23	I	19 45 54.67	Lacaille 8306.			Lacaille 8257.		
29	G	54.92	Aug. 5	G	20 4 57.41	Aug. 4	C	20 11 54.23
Aug. 8	C	54.45	6	I	57.21	8	C	54.93
β Aquilæ.			8	C	57.57	9	G	54.22
July 29	G	19 49 4.41	Lacaille 8323.			12	G	54.95
Aug. 29	F	4.49	Aug. 12	G	20 8 25.35	Lacaille 8331.		
30	G	4.60	19	F	24.98	Aug. 16	F	20 11 58.96
Sept. 9	C	4.42	Lacaille 8336.			Sept. 9	C	58.81
16	G	4.54	Aug. 4	C	20 8 57.72	10	F	58.72
19	I	4.43	7	F	57.49	* 8 mag. N.P.D. 167° 36'.		
Oct. 8	F	4.43	8	C	58.01	Sept. 4	G	20 15 5.27
22 Cygni.			9	G	58.65	* 8.9 mag. N.P.D. 167° 36'.		
Oct. 2	I	19 51 19.51	Lacaille 8328.			Sept. 4	G	20 15 8.09
Lacaille 8252.			Aug. 6	I	20 10 34.20	Lacaille 8377.		
July 23	I	19 52 55.79	28	C	34.38	Aug. 5	G	20 15 42.57
c Sagittarii.			29	F	34.50	6	I	42.11
Oct. 8	F	19 54 50.81	α² Capricorni.			19	F	42.23
Lacaille 8202.			Mar. 4	G	20 11 0.43	28	C	42.45
July 29	G	19 57 29.65	May 5	C	0.36	29	F	42.25
Aug. 4	C	29.22	Sept. 11	C	0.37	Sept. 1	C	42.45
5	G	29.16	Oct. 9	I	0.33	9	C	42.48

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
ρ Capricorni.				Lacaille 8434.				Lacaille 8515.			
Apr. 26	G	20 21	36.75	Aug. 16	F	20 30	20.89	Aug. 19	F	20 47	42.56
May 2	G		36.81					28	C		43.13
Aug. 6	I		36.82	Lacaille 8493.				29	F		42.69
7	F		36.87					Lacaille 8563.			
16	F		36.89	Aug. 6	I	20 34	27.98	Sept. 1	C	20 48	29.37
30	G		36.81	12	G		28.37	4	G		29.07
Sept. 5	I		37.00	28	C		28.09	9	C		29.66
17	F		36.76	α Cygni.				32 Vulpeculæ.			
Oct. 13	F		36.84					Sept. 26	I	20 49	8.80
ϵ Delphini.				Aug. 19	F	20 37	6.15	Lacaille 8570.			
Oct. 1	F	20 27	8.70	Oct. 2	I		6.14	Aug. 12	G	20 49	14.49
* 8 mag. N.P.D. $169^{\circ} 32'$.				Lacaille 8483.				Lacaille 8528.			
Aug. 29	F	20 27	11.48	Aug. 6	I	20 38	48.43	Sept. 11	C	20 52	7.37
Lacaille 8448.				ϵ Aquarii.				15	C		8.20
Aug. 4	C	20 27	14.15	Apr. 25	C	20 40	48.01	17	F		8.11
5	G		15.79	Lacaille 8507.				Lacaille 8580.			
6	I		15.93	Aug. 6	I	20 44	59.09	Aug. 6	I	20 52	17.56
Lacaille 8420.				7	F		58.68	Sept. 4	G		17.78
Aug. 7	F	20 27	48.89	12	G		59.47	9	C		18.06
Lacaille 8425.				μ Aquarii.				Lacaille 8614.			
Aug. 12	G	20 28	37.96	Sept. 10	F	20 45	48.20	Sept. 18	C	20 53	43.68
19			37.74	* 7 mag. N.P.D. $175^{\circ} 42'$.				19	I		43.92
28	C		38.12					20	G		43.46
Lacaille 8446.				Feb. 11	C	S.P. 20 46	29.14	Lacaille 8615.			
Sept. 1	C	20 30	19.52	Lacaille 8535.				Aug. 12	G	20 54	3.00
4	G		19.11	Aug. 16	F	20 47	28.60	29	F		2.57
5	I		19.94					Sept. 1	C		2.87
9	C		19.29								

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
* 8 mag. N.P.D. 174° 49'.			Lacaille 8671.			Lacaille 8672.		
Sept. 25	C	20 54 27.65	Sept. 4	G	21 4 21.12	Aug. 19	F	21 12 55.09
30	G	28.70	10	F	21.41	Sept. 11	C	55.05
* 8 mag. N.P.D. 174° 49'.			11	C	21.27	15	C	54.52
Sept. 25	C	20 54 30.45	15	C	21.38	Lacaille 8732.		
30	G	30.65	Lacaille 8643.			Aug. 29	F	21 16 26.35
Lacaille 8511.			Aug. 19	F	21 4 26.78	Sept. 1	C	27.01
Sept. 25	C	20 56 37.90	28	C	27.07	5	I	26.85
Lacaille 8592.			ζ Cygni.			Lacaille 8766.		
Sept. 1	C	20 58 42.96	Apr. 30	C	21 7 31.86	Aug. 12	G	21 17 22.39
5	I	43.10	Aug. 29	F	31.80	16	F	22.59
9	C	43.28	Sept. 18	C	31.77	28	C	22.65
Lacaille 8618.			Lacaille 8636.			Lacaille 8783.		
Aug. 12	G	20 58 58.04	Sept. 1	C	21 9 24.80	Aug. 19	F	21 22 55.47
16	F	58.03	5	I	24.87	Sept. 1	C	55.97
Lacaille 8569.			8	G	23.94	5		55.91
Sept. 10	F	20 59 1.97	α Equulei.			β Aquarii.		
11	C	2.01	Sept. 18	C	21 9 28.53	Jan. 3	G	21 24 52.32
15	C	2.82	Lacaille 8713.			Mar. 17	G	52.22
B Octantis.			Aug. 12	G	21 10 42.52	May 6	G	52.34
Apr. 25	C	S.P. 21 0 38.58	16	F	42.85	Sept. 9	C	52.29
26	G	40.54	Lacaille 8703.			10	F	52.26
30	C	S.P. 41.22	Aug. 28	C	21 11 49.94	11	C	52.27
30	C	39.27	Sept. 9	C	49.22	15	C	52.32
May 2	G	S.P. 34.30	10	F	49.16	18	C	52.30
2	G	36.70	Lacaille 8751.			19	I	52.18
6	C	35.92	Sept. 8	G	21 27 56.68	26	I	52.26
7	G	S.P. 35.97	10	F	57.22	Oct. 11	G	52.21
Sept. 25	C	34.95				Lacaille 8751.		

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
Lacaille 8720.			Lacaille 8879.			Lacaille 8996.		
Mar. 11	G	S.P. 21 28 14.17	Sept. 8	G	21 42 11.96	Sept. 8	G	21 59 50.53
Apr. 25	C	S.P. 14.13	9	C	12.77	10	F	50.65
			10	F	12.54	11	C	50.97
Lacaille 8797.			B.A.C. 7614.			Lacaille 9022.		
May 5	C	S.P. 21 30 18.27	Oct. 24	I	21 45 49.84	May 5	C	S.P. 22 5 23.88
Sept. 15	C	18.03				Sept. 8	G	23.00
17	F	18.17				10	F	23.71
B.A.C. 7521.			16 Pegasi.			Lacaille 9010.		
Oct. 4	C	21 31 51.42	Aug. 16	F	21 47 17.07	Aug. 29	F	22 5 38.01
			Sept. 15	C	17.07	Sept. 1	C	38.55
			30	G	17.08	5	I	38.18
			Oct. 8	F	17.06	11	C	38.33
			13	F	17.06			
ε Pegasi.			Lacaille 8942.			C Octantis.		
Mar. 13	G	21 37 56.87	Aug. 19	F	21 49 46.53	Mar. 20	C	S.P. 22 6 36.82
17	G	56.72	29	F	46.56	24	C	S.P. 36.90
Aug. 28	C	56.84				26	I	S.P. 36.92
Sept. 1	C	56.85	Lacaille 8946.			May 17	G	S.P. 36.77
30	G	56.93	Sept. 1	C	21 50 32.76	17	G	37.02
Oct. 1	F	56.91	5	I	32.69	18	G	S.P. 37.29
8	F	56.87	8	G	32.45	21	C	S.P. 37.44
9	I	56.79				21	C	37.31
13	F	56.82	Lacaille 8991.			Oct. 9	I	37.48
17	I	56.85	Sept. 1	C	21 58 37.58	17	I	37.47
24	I	56.94	5	I	37.14	24	I	36.97
28	I	56.86				Lacaille 8998.		
δ Capricorni.			α Aquarii.			Sept. 18	C	22 8 8.65
Oct. 8	F	21 40 1.66	Aug. 16	F	21 59 15.65	19	I	8.75
Lacaille 8885.			Sept. 15	C	15.60	20	G	8.23
Aug. 19	F	21 41 10.50	17	F	15.53	Lacaille 9055.		
Sept. 1	C	10.89	19	I	15.58	Sept. 11	C	22 9 57.38
5	I	10.75				15	C	57.30
						17	F	57.34

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
θ Aquarii.				η Aquarii.				B.A.C. 7948.			
Aug. 29	F	22	10 7.86	May 21	C	22	28 49.75	Oct. 4	C	22	40 32.33
Sept. 26	I		7.86	Sept. 1	C		49.72	* 7 mag. N.P.D. 165° 31'.			
Lacaille 9049.				25	C		49.76	Sept. 15	C	22	43 43.10
Sept. 1	C	22	11 0.43	Oct. 2	I		49.80	μ Pegasi.			
22	C		0.30	9	I		49.81	Sept. 18	C	22	43 52.50
25	C		0.02	17	I		49.72	Lacaille 9273.			
Lacaille 9085.				24	I		49.80	Sept. 17	F	22	46 14.43
Aug. 29	F	22	15 23.19	28	I		49.78	15 Lacertæ.			
Sept. 8	G		23.26	Lacaille 9123.				Oct. 10	C	22	46.18.54
10	F		23.71	Sept. 17	F	22	29 30.06	11	G		18.36
Lacaille 9095.				18	C		30.30	24	I		18.63
Apr. 23	C	S.P.	22 17 39.23	11 Lacertæ.				Lacaille 9260.			
Lacaille 9105.				Oct. 24	I	22	33 13.04	Sept. 10	F	22	49 30.96
Sept. 5	I	22	23 39.38	Lacaille 9191.				α Piscis Australis.			
σ Aquarii.				May 21	C	S.P.	22 34 11.17	Mar. 1	G	22	50 37.63
Sept. 17	F	22	23 55.48	Sept. 5	I		10.96	3	G		37.68
25	C		55.48	ζ Pegasi.				4	G		37.58
Lacaille 9102.				Sept. 11	C	22	35 7.71	11	G		37.60
Sept. 8	G	22	23 59.32	Oct. 10	C		7.69	13	G		37.64
10	F		60.45	Lacaille 9202.				17	G		37.55
11	C		59.86	Apr. 30	C	S.P.	22 38 24.22	18	G		37.52
6 Lacertæ.				Sept. 10	F		23.89	25	G		37.71
Oct. 17	I	22	25 0.53	17	F		24.57	27	G		37.62
				13 Lacertæ.				28	G		37.62
				Oct. 9	I	22	38 25.80	Apr. 1	G		37.66
				10	C		25.72	Sept. 18	C		37.70
				17	I		25.85				

Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.	Day.	Observer.	h. m. s.
α Piscis Australis (<i>continued</i>).			* 7.8 mag. N.P.D. $171^{\circ} 5'$.			Lacaille 9427.		
Oct. 2	I	22 50 37.67	Sept. 15	C	23 7 21.13	Apr. 30	C	S.P. 23 11 59.78
6	C	37.62	Lacaille 9389.			Sept. 17	F	59.61
9	I	37.71	Sept. 18	C	23 7 38.96	22	C	59.67
12	G	37.75	Lacaille 9392.			κ Piscium.		
21	I	37.59	Sept. 15	C	23 7 49.13	Sept. 17	F	23 20 25.29
24	I	37.63	17	F	48.64	25	C	25.24
2 Andromedæ.			τ Octantis.			26	I	25.30
Oct. 9	I	22 56 45.90	Apr. 17	I	S.P. 23 7 54.64	Oct. 23	G	25.38
10	C	45.81	18	G	S.P. 51.21	Nov. 3	G	25.39
α Pegasi.			22	G	S.P. 52.49	14	G	25.30
May. 27	G	22 58 26.01	23	C	S.P. 52.97	17	G	25.32
28	G	26.05	24	I	S.P. 54.83	13 Andromedæ.		
Apr. 9	G	26.04	25	C	S.P. 53.43	Oct. 9	I	23 21 0.55
Sept. 5	I	25.97	May 6	G	S.P. 52.29	17	I	0.44
10	F	26.07	21	C	S.P. 53.43	Lacaille 9475.		
15	C	26.01	Nov. 3	G	53.05	Apr. 30	C	S.P. 23 22 52.62
25	C	26.08	12	G	52.83	Sept. 15	C	52.35
30	G	26.05	Lacaille 9399.			ι Piscium.		
Oct. 6	C	26.07	Sept. 18	C	23 9 29.81	Sept. 15	C	23 33 25.13
11	G	26.11	19	I	29.74	26	I	25.01
12	G	26.12	20	G	29.40	Oct. 23	G	25.11
Nov. 3	G	26.13	Lacaille 9408.			Nov. 10	I	25.05
Lacaille 9355.			Sept. 25	C	23 9 52.46	Lacaille 9546.		
Apr. 30	C	S.P. 23 1 26.90	26	I	52.44	May 21	C	S.P. 23 35 37.15
May 21	C	S.P. 27.47	30	G	52.57	Sept. 19	I	36.25
6 Andromedæ.			γ Piscium.					
Oct. 17	I	23 4 35.39	Oct. 10	C	23 10 34.80			
7 Andromedæ.			11	G	34.72			
Oct. 9	I	23 6 44.02	12	G	34.91			
			17	I	34.82			

Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.		Day.	Observer.	h. m. s.	
Lacaille 9563.				Lacaille 9607.				♉ Piscium.			
Apr. 30	C	S.P.	23 39 4'38	Sept. 19	I	23 44 34'70		Sept. 19	l	23 52 47'51	
Mar. 2	G		4'07	20	G	34'42		Oct. 1	F	47'36	
5	C	S.P.	4'99	22	C	34'05		2	I	47'43	
♈ Sculptoris.				Lacaille 9635.				6	C	47'39	
								13	F	47'43	
								24	I	47'34	
				Sept. 22	C	23 47 50'43		27	G	47'50	
				26	I	50'05		28	I	47'30	
Nov. 10	I		23 42 18'41	30	G	50'59		Nov. 18	I	47'44	

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS

FOR

MEAN N.P.D. OF STARS

OBSERVED IN THE YEAR

1873.

R.A. 0^h . 0^m . to 0^h . 40^m .

Day.	Observer.	" ' "	Day.	Observer.	" ' "	Day.	Observer.	" ' "
Lacaille 9727.			Lacaille 29.			Lacaille 57.		
Sept. 22	C	167 26 17.16	Oct. 2	I	170 33 16.70	Oct. 1	F	167 55 41.06
26	I	16.51	6	C	18.79	2	I	41.95
30	G	16.64	9	I	18.09	6	C	42.33
Lacaille 9734.			Lacaille 33.			Lacaille 64.		
Oct. 1	F	169 18 19.87	Oct. 3	G	169 29 5.79	Oct. 10	C	168 7 53.30
2	I	20.55	Lacaille 39.			24	I	52.72
3	G	20.21	Oct. 10	C	169 56 14.67	28	I	51.73
Lacaille 9750.			11	G	14.97	Lacaille 76.		
Oct. 6	C	169 42 30.74	13	F	14.11	Oct. 3	G	167 25 43.41
Lacaille 9752.			o Octantis.			11	G	44.38
Oct. 11	G	169 0 24.80	July 1	G	179 4 7.92	13	F	41.59
13	F	24.19	2	I	8.06	β Hydri.		
17	I	23.12	Sept. 19	I	7.23	Oct. 21	I	167 58 9.81
Lacaille 9756.			Nov. 13	I	6.74	Lacaille 113.		
Oct. 24	I	172 55 48.57	17	G	8.33	Sept. 30	G	173 50 32.13
28	I	47.96	18	I	6.59	Oct. 1	F	30.82
Nov. 3	G	49.34	20	I	8.21	2	I	31.37
Lacaille 9764.			21	G	7.06	Lacaille 197.		
Oct. 3	G	170 52 50.12	24	I	8.82	Oct. 1	F	171 21 15.38
9	I	50.40	27	G	6.91	Lacaille 197. S.P.		
10	C	51.89	28	I	5.51	May 23	C	171 21 16.15
Nov. 7	F	51.30	Dec. 1	F	8.63	Lacaille 221.		
Lacaille 15.			5	G	7.29	Oct. 3	G	168 46 36.29
Sept. 26	I	165 37 9.93	o Octantis S.P.					
30	G	10.06	July 1	G	179 4 8.35			
Oct. 1	F	8.68	2	G	9.61			
			3	G	10.10			
			Lacaille 47.					
			Sept. 30	G	168 41 40.75			
			Oct. 15	I	41.97			
			17	I	38.85			

R.A. $0^h 53^m$ to $1^h 39^m$.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 281.			Lacaille 342.			Lacaille 455.		
Oct. 11	G	167 14 27.49	Nov. 21	G	173 56 6.75	Oct. 24	I	165 42 4.72
17	I	25.90	24	I	5.89	Lacaille 471.		
Lacaille 281. S.P.			27	G	6.83	Lacaille 330.		
May 23	C	167 14 26.71	Lacaille 330.			Oct. 17	I	169 41 50.63
Lacaille 313.			Nov. 18	I	167 21 6.82	Nov. 3	G	50.63
Oct. 11	G	168 13 54.18	20	I	7.74	17	G	50.22
24	I	53.26	Lacaille 350.			Lacaille 505.		
28	I	53.55	Oct. 11	G	172 19 31.97	Oct. 24	I	169 8 58.19
Nov. 13	I	53.54	13	F	31.58	28	I	57.24
Lacaille 320.			24	I	31.30	Nov. 3	G	58.09
Oct. 17	I	169 1 34.75	Lacaille 360.			Lacaille 510.		
Lacaille 320. S.P.			Oct. 28	I	174 16 10.33	Nov. 10	I	170 34 35.49
May 23	C	169 1 35.67	Nov. 13	I	9.42	13	I	34.67
Lacaille 322.			14	G	10.68	14	G	34.15
Nov. 3	G	168 58 41.07	Lacaille 420.			Lacaille 521.		
10	I	39.90	Oct. 11	G	172 12 31.95	Nov. 21	G	166 39 49.92
Lacaille 322. S.P.			13	E	33.62	24	E	50.14
May 23	C	168 58 42.65	17	I	31.27	27	G	50.62
Lacaille 324.			Lacaille 429.			Lacaille 517.		
Nov. 11	G	168 15 51.57	Oct. 28	I	167 16 23.90	Oct. 17	I	165 37 37.42
14	G	51.40	Nov. 3	G	23.81	Nov. 17	G	38.65
17	G	51.44	10	I	23.77	18	I	38.56
Lacaille 342.			Lacaille 461.			Lacaille 534.		
Nov. 11	G	170 33 16.96	Nov. 11	G	170 33 16.96	Nov. 3	G	166 53 1.86
13	I	18.86	13	I	18.86	10	I	0.95
14	G	17.84	14	G	17.84	13	I	1.79

R.A. 1^h. 39^m. to 2^h. 5^m.

Day.	Observer.	" ' "	Day.	Observer.	" ' "	Day.	Observer.	" ' "
Lacaille 533.			Lacaille 573.			Lacaille 656.		
Nov. 14	G	166 18 14.95	Dec. 9	G	170 22 28.73	Nov. 14	G	169 22 45.58
20	I	16.56	10	S	27.81	17	G	45.02
28	I	15.45	11	G	27.95	18	I	46.81
Lacaille 551.			Lacaille 556.			Lacaille 652.		
Nov. 24	F	169 47 16.65	Nov. 20	I	165 22 33.44	Nov. 24	F	165 3 20.30
Dec. 5	G	17.02	21	G	31.86	28	F	21.20
			28	F	31.49	Dec. 1	S	19.28
Lacaille 576.			Lacaille 623.			Lacaille 675.		
Dec. 9	G	173 37 14.99	Nov. 3	G	174 0 0.74	Oct. 24	I	169 28 42.97
10	S	15.40	10	I	0.32	Nov. 13	I	43.82
11	G	14.96	13	I	0.67	20	I	44.84
Lacaille 558.			Lacaille 606.			Lacaille 700.		
Oct. 24	I	170 41.24.75	Nov. 14	G	170 48 13.19	Dec. 5	G	172 54.22.12
28	I	24.33	17	G	13.99	8	I	21.76
			18	I	14.30	9	G	22.27
Lacaille 592.			Lacaille 633.			11	G	21.37
Dec. 12	I	173 53 13.70	Oct. 24	I	173 18 8.14	Lacaille 760 S.P.		
15	I	14.31	Nov. 20	I	8.22	May 23	C	175 39 2.87
16	G	13.96	Lacaille 628.			Lacaille 686.		
Lacaille 563.			Nov. 21	G	171 59 4.22	Nov. 10	I	169 18 18.15
Nov. 14	G	170 33 4.61	24	F	3.36	14	G	17.86
17	G	4.70	28	F	2.67	17	G	18.29
Dec. 8	I	5.18	Lacaille 637.			Lacaille 716.		
Lacaille 564.			Nov. 3	G	168 58 8.41	Aug. 7	F	173 6 58.77
Nov. 24	F	167 59 27.74	10	I	8.03	Nov. 21	G	57.13
Dec. 1	F	28.09				24	F	58.74
5	G	28.69				28	F	57.09

R.A. 2^h. 9^m. to 3^h. 7^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
* 8.7 Mag. R.A. 2 ^h . 9 ^m . 11 ^s .			Lacaille 734.			Lacaille 955.		
Dec. 1	S	173 20 18.50	Nov. 21	G	166 56 51.74	Nov. 10	I	166 43 20.37
			24	F	52.17	13	I	19.44
			28	F	49.77	14	G	19.30
						18	I	18.12
Lacaille 743.			Lacaille 870.			Lacaille 1884.		
Nov. 21	G	172 54 3.32	Nov. 13	I	173 31 42.07	July 30	F	178 56 33.33
24	F	4.84	14	G	42.28			
28	F	2.36	17	G	43.68			
Lacaille 709.			Lacaille 835.			Lacaille 1884. S.P.		
Nov. 13	I	167 13 11.09	Nov. 10	I	166 20 46.07	July 30	F	178 56 35.07
Dec. 8	I	11.50	24	F	46.86			
9	G	11.42	Dec. 1	S	46.33			
Lacaille 704.			Lacaille 864.			Lacaille 995.		
Nov. 14	G	165 5 47.87	Nov. 14	G	166 26 55.02	Nov. 13	I	168 22 32.09
17	G	50.31	18	I	54.04	14	G	31.25
20	I	49.34	20	I	56.11	20	I	32.08
Dec. 23	I	49.08	21	G	55.79	21	G	32.11
Lacaille 710.			μ Hydri or Lacaille 883.			Lacaille 1036.		
Dec. 5	G	166 33 14.36	Dec. 1	S	169 39 45.67	Nov. 10	I	170 5 46.24
10	S	13.81	5	G	46.64	18	I	48.50
11	G	14.46						
Lacaille 715.			Lacaille 894.			* R.A. 3 ^h . 2 ^m . 38 ^s .		
Dec. 12	I	166 53 34.28	Nov. 24	F	169 35 19.56	Nov. 24	I	175 40 24.17
15	I	35.48	Dec. 8	I	19.41			
			9	G	19.38			
* 7.8 Mag. R.A. 2 ^h . 14 ^m . 23 ^s .			Lacaille 966.			Lacaille 1090.		
Dec. 1	S	166 56 48.64	Nov. 14	G	172 46 34.92	Nov. 14	G	171 34 57.61
			20	I	37.38	17	G	58.76
			21	G	35.13	18	I	58.15
						Lacaille 1065.		
						Nov. 28	F	167 39 1.43
						Dec. 1	S	1.13
						5	G	1.61

R.A. 3^h. 12^m. to 3^h 50^m.

Day.	Observer.		Day.	Observer.		Day.	Observer.	
Lacaille 1086.			Lacaille 1204.			Lacaille 1340.		
Jan. 15	I	165 8 21.13	Jan. 16	C	165 1 05.74	Nov. 24	F	171 15 21.66
			Nov. 20	I	24.22	Dec. 1	S	21.15
Lacaille 1086. S.P.			Lacaille 1278.			Lacaille 1340. S.P.		
July 25	F	165 8 21.18	Dec. 11	G	172 55 3.93	July 30	F	171 15 21.76
Lacaille 1848. S.P.			12	I	1.71	* 7.8 Mag. R.A. 3 ^h . 45 ^m . 54 ^s .		
July 30	F	178 40 21.67	15	I	1.77			
Lacaille 1140.			Lacaille 1281.			Dec. 1	S	171 15 42.53
Jan. 15	I	165 2 39.32	Nov. 24	F	171 8 3.56	Lacaille 1319.		
Nov. 24	F	39.54	Dec. 1	S	2.79	Jan. 8	G	164 53 48.92
28	F	38.25	5	G	2.79	10	G	48.03
Lacaille 1236.			Lacaille 1261.			15	I	48.97
Nov. 14	G	173 59 43.00	Nov. 20	I	165 13 51.67	Lacaille 1358.		
18	I	42.98	24	F	52.92	Dec. 18	G	170 24 36.10
20	I	45.81	28	F	51.69	19	I	38.10
Lacaille 1185.			Lacaille 1279.			20	G	37.49
Nov. 24	F	167 11 2.44	Jan. 8	G	166 10 19.27	Lacaille 1334.		
28	F	0.06	15	I	19.13	Nov. 24	F	167 6 1.06
Dec. 1	S	0.98	22	I	19.65	Dec. 11	G	2.52
Lacaille 1263.			Lacaille 1296.			12	I	1.53
Nov. 14	G	172 42 17.67	Dec. 5	G	168 43 53.27	Lacaille 1328.		
Dec. 8	I	19.56	8	I	54.26	Dec. 10	S	165 4 36.77
10	S	19.04	10	S	54.28	15	I	35.89
Lacaille 1222.			Lacaille 1307.			16	G	36.70
Nov. 24	F	168 2 42.40	Nov. 24	F	169 30 19.40	* 7 Mag. R.A. 3 ^h . 50 ^m . 47 ^s .		
Dec. 1	S	41.05	Dec. 11	G	19.66			
5	G	40.04	12	I	18.43	Dec. 22	G	166 48 22.06
			16	G	19.60			

R.A. $3^h. 51^m.$ to $4^h. 37^m.$

Day.	Observer.	"	Day.	Observer.	"	Day.	Observer.	"
Lacaille 1343.			Lacaille 1514.			Lacaille 1639.		
Dec. 1	S	166 51 12.45	Jan. 14	G	169 20 9.16	Jan. 15	I	171 51 53.14
5	G	11.76	15	I	9.04	22	A	52.88
8	I	14.25	16	C	8.25	27	C	53.92
Lacaille 1353.			Lacaille 1502.			Feb. 7	C	53.18
Jan. 16	C	166 16 15.14	Jan. 8	G	166 7 3.81	Lacaille 1724.		
Nov. 24	F	17.03	10	G	3.48	Dec. 16	G	174 46 25.91
28	F	16.48	8 Mensæ.			18	G	24.12
Lacaille 1471.			Jan. 7	C	170 30 33.57	19	I	24.33
Jan. 8	G	174 27 48.07	8	G	32.87	Lacaille 1718.		
10	G	46.96	10	G	32.14	Dec. 5	G	174 27 57.95
14	G	46.74	Lacaille 1575.			11	G	57.88
Lacaille 1396.			Jan. 14	G	169 48 43.58	12	I	57.78
Jan. 15	I	166 52 5.47	15	I	43.84	Lacaille 1718. S.P.		
16	C	6.24	22	I	44.51	Aug. 16	F	174 27 59.32
Lacaille 1444.			Lacaille 1662.			Lacaille 1839. S.P.		
Jan. 8	G	168 58 17.69	Dec. 5	G	173 54 4.98	July 10	I	176 32 46.98
10	G	17.32	8	I	5.52	14	C	48.16
14	G	18.82	11	G	4.65	18	I	47.94
Lacaille 1530.			Lacaille 1584.			23	I	49.09
Jan. 22	I	171 3 3.69	Jan. 14	G	167 57 42.48	Lacaille 1707.		
31	I	3.16	Dec. 12	I	42.53	Dec. 15	I	173 10 9.15
Lacaille 1530. S.P.			15	I	42.99	20	G	8.14
Aug. 16	F	171 3 6.67	* 7 Mag. R.A. $4^h. 30^m. 31^s.$			22	G	9.73
			Jan. 14	G	167 57 36.60	Lacaille 1645.		
						Feb. 5	G	168 53 29.05
						7	C	30.75
						Dec. 8	I	29.32

R.A. 4^h. 44^m. to 5^h. 21^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 1676.			Lacaille 1782.			Lacaille 1857.		
Jan. 7	C	167 53 38.41	Dec. 5	G	168 20 24.59	Jan. 7	C	167 42 26.33
22	I	37.74	8	I	25.24	8	G	26.19
24	I	38.52	11	G	25.69	10	G	26.34
Lacaille 1703.			Lacaille 1784.			Lacaille 1921.		
Jan. 27	C	169 41 56.68	Dec. 12	I	168 35 45.08	Jan. 14	G	172 38 7.75
31	I	55.81	15	I	43.13	15	I	7.91
Feb. 5	G	56.71	16	G	46.02	22	I	8.04
Lacaille 1703. S.P.			Lacaille 1812.			Lacaille 1881.		
July 30	F	169 41 56.23	Jan. 14	G	168 21 54.80	Jan. 27	C	167 21 36.26
Lacaille 1702.			15	I	54.97	31	I	34.82
Jan. 8	G	166 31 56.95	24	I	54.26	Feb. 5	G	36.49
10	G	55.88	Lacaille 1812. S.P.			7	C	36.21
Lacaille 1816 or 1819.			Aug. 16	F	168 21 55.91	Lacaille 1935.		
Dec. 8	I	173 43 30.68	Lacaille 1814.			Feb. 11	C	170 32 51.57
Lacaille 1816 or 1819. S.P.			Feb. 5	G	166 47 35.56	19	I	52.25
Aug. 16	F	173 43 31.79	7	C	36.18	26	G	50.79
29	F	32.13	19	I	36.05	Lacaille 1943.		
Lacaille 1768.			Lacaille 1829.			Dec. 11	G	170 19 21.25
Jan. 7	C	170 0 52.03	Jan. 8	G	168 28 19.67	12	I	21.37
8	G	52.24	10	G	19.52	Lacaille 1943. S.P.		
10	G	51.20	Lacaille 1829. S.P.			Aug. 29	F	170 19 21.51
Lacaille 1752.			Aug. 29	F	168 28 18.72	θ Pictoris (1st *).		
Jan. 14	G	165 7 50.85	Lacaille 1835.			Jan. 8	G	142 25 29.94
27	C	52.02	Dec. 5	G	168 21 11.64	10	G	29.84
Feb. 5	G	51.05				14	G	30.07
7	C	52.22						

R.A. 5^h. 21^m. to 6^h. 16^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
θ Pictoris (2d *).			γ Mensæ.			Lacaille 2171.		
Jan. 8	G	142 25 40.42	Jan. 8	G	166 25 48.27	Feb. 11	C	171 40 6.49
10	G	40.54	10	G	47.42	12	S	5.77
14	G	41.19	14	G	47.84	15	G	5.67
Lacaille 1989.			Lacaille 2022.			Lacaille 2296.		
Dec. 5	G	171 40 13.44	Feb. 5	G	165 18 50.28	Feb. 5	G	174 50 26.07
16	G	13.96	11	C	51.09	7	C	25.45
Lacaille 1989. S.P.			19	I	51.08	11	C	27.74
Aug. 16	F	171 40 17.55	δ Mensæ.			15	G	26.19
Lacaille 1937.			Jan. 7	C	168 53 4.82	19	I	27.47
Jan. 31	I	166 1 43.49	8	G	4.56	20	G	27.40
Feb. 5	G	44.42	10	G	5.01	21	I	26.66
7	C	46.29	14	G	4.59	Mar. 5	I	25.76
Lacaille 1953.			Lacaille 2125.			Lacaille 2210.		
Dec. 12	I	165 7 7.86	Jan. 24	I	169 58 22.29	Feb. 26	G	169 22 48.72
18	G	7.36	Feb. 5	G	20.79	27	C	49.32
19	I	7.68	7	C	23.50	28	G	49.36
Lacaille 2066.			Lacaille 2103.			Lacaille 2209.		
Feb. 11	C	173 59 49.23	Feb. 26	G	165 52 51.63	Feb. 5	G	168 36 4.94
26	G	49.12	Mar. 1	G	51.92	15	G	3.79
Mar. 1	G	48.71	3	C	51.74	19	I	5.08
Lacaille 2050.			Lacaille 2138.			Lacaille 2304.		
Jan. 15	I	171 8 17.70	Jan. 8	G	170 33 40.97	Feb. 5	G	165 2 28.70
24	I	18.71	15	I	41.00	15	G	27.62
31	I	16.96	22	I	41.16	19	I	28.88
Lacaille 2052.			Lacaille 2052.			Lacaille 2316.		
Jan. 10	G	142 8 19.91	Jan. 10	G	142 8 19.91	Feb. 20	G	167 3 53.82
14	G	19.30	14	G	19.30	21	I	54.14
16	C	18.85	16	C	18.85	26	G	54.93

R.A. 6^h. 18^m. to 6^h. 57^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 2385.			π^2 Doradus.			Lacaille 2527.		
Feb. 27	C	171 1 27.61	Jan. 10	G	159 37 1.71	Feb. 11	C	167 34 18.95
28	G	30.55	27	C	2.40	19	I	16.98
Mar. 1	G	28.98	Lacaille 2431.			20	G	16.37
Lacaille 2403.			Feb. 27	C	168 20 6.54	Lacaille 2592.		
Feb. 12	S	171 57 12.20	28	G	9.26	Jan. 24	I	168 18 31.20
15	G	14.08	Mar. 1	G	8.83	31	I	30.89
20	G	14.79	Lacaille 2442.			Feb. 5	G	30.53
Lacaille 2363.			Feb. 20	G	168 59 27.55	B Carinae.		
Mar. 3	C	166 59 49.30	21	I	28.05	Jan. 8	G	143 28 27.92
5	I	49.98	26	G	27.52	10	G	28.80
12	C	50.46	Lacaille 2466.			14	G	28.27
Lacaille 2426.			Feb. 5	G	167 11 44.83	ζ Mensae or Lacaille 2648.		
Feb. 5	G	171 59 55.64	7	C	45.75	Feb. 11	C	170 40 36.77
12	S	54.21	11	C	44.99	12	S	35.03
15	G	54.86	Lacaille 2502.			26	G	34.30
19	I	55.79	Jan. 22	I	168 48 24.81	Lacaille 2630.		
Lacaille 2439.			24	I	24.43	Feb. 27	C	166 41 51.46
Feb. 27	C	172 6 32.07	31	I	24.60	Mar. 1	G	52.97
28	G	35.84	Lacaille 2551.			3	C	52.69
Mar. 1	G	32.10	Jan. 27	C	170 26 5.34	Lacaille 2658.		
π^1 Doradus.			Feb. 26	G	5.29	Jan. 31	I	167 55 48.10
Jan. 8	G	159 54 49.47	27	C	5.90	Feb. 5	G	48.67
14	G	49.48	* 8.7 Mag. R.A. 6 ^h . 39 ^m . 53 ^s .			12	S	48.58
Lacaille 2440.			Jan. 27	C	170 29 12.15	Lacaille 2663.		
Feb. 20	G	171 29 31.86	Feb. 21	I	9.97	Feb. 20	G	167 30 40.22
21	I	33.35	26	G	12.78	21	I	42.10
26	G	30.62	27	C	11.98	26	G	40.42

R.A. 6^h. 58^m. to 7^h. 41^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 2724.			Lacaille 2800.			Lacaille 2948.		
Jan. 24	I	170 54 19.16	Jan. 24	I	165 50 9.78	Feb. 19	I	168 54 40.45
27	C	22.19	31	I	10.13	20	G	40.65
Feb. 7	C	20.33	Feb. 5	G	10.35	28	G	39.37
19	I	20.33	Lacaille 2799.			Lacaille 2927.		
Lacaille 2719.			Feb. 20	G	165 5 23.78	Mar. 1	G	165 19.30.74
Feb. 12	S	169 57 59.78	26	G	23.53	3	C	31.68
Mar. 11	G	60.35	Mar. 3	C	22.57	4	G	32.42
12	C	60.31	Lacaille 2856.			Lacaille 3096.		
Lacaille 2689.			Feb. 11	C	169 12 35.93	Mar. 1	G	174 13.20.22
Mar. 3	C	167 36 27.16	20	G	36.16	4	G	19.59
4	G	27.61	Mar. 3	C	35.00	5	I	20.06
5	I	27.00	Lacaille 2936.			e Mensæ or Lacaille 2993.		
Lacaille 2788.			Feb. 27	C	173 32 47.95	Feb. 7	C	168 49 35.11
Feb. 26	G	172 44 2.25	28	G	49.56	Mar. 11	G	33.48
28	G	2.41	Mar. 1	G	49.26	12	C	33.68
Mar. 1	G	2.64	Lacaille 2846.			Lacaille 3040.		
θ Mensæ.			Jan. 31	I	165 37 59.04	Feb. 21	I	167 48.5.43
Feb. 11	C	169 14 6.68	Feb. 5	G	58.60	27	C	3.34
15	G	5.83	7	C	59.11	28	G	2.82
Mar. 4	G	6.74	Lacaille 2891.			Lacaille 3029.		
Lacaille 2845.			Feb. 19	I	168 4.45.32	Jan. 24	I	166 47 47.39
Jan. 24	I	173 49 22.41	20	G	44.19	Feb. 5	G	48.11
31	I	22.34	28	G	44.45	7	C	48.16
Feb. 5	G	21.98	Lacaille 2942.			Lacaille 3066.		
Lacaille 2794.			Jan. 24	I	170 58 53.80	Feb. 11	C	167 20 22.66
Feb. 20	G	170 39 13.18	31	I	52.36	19	I	23.31
21	I	13.43	Feb. 5	G	53.87	20	G	22.57
26	G	10.77						

R.A. 7^h. 43^m. to 8^h. 21^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 2990.			Lacaille 3238.			A Octantis. S.P.		
Mar. 28	G	114 35 46.15	Mar. 4	G	171 15 50.87	Apr. 22	G	178 29 50.53
Apr. 1	G	46.60	5	I	51.61	25	C	50.17
			11	G	51.49	26	G	49.61
Lacaille 3107.			Lacaille 3245.			30	C	50.16
Jan. 24	I	168 4 54.97	Feb. 5	G	170 52 1.02	May 2	G	48.86
Feb. 5	G	55.28	Mar. 12	C	0.85	Sept. 16	G	51.07
11	C	55.91	13	G	Half weight 3.49	19	I	51.08
Lacaille 3069.			Lacaille 3270.			26	I	49.59
Mar. 28	G	139 17 0.70	Beb. 20	G	169 16 34.20	30	G	51.15
Apr. 1	G	1.43	21	I	33.91	Oct. 1	F	51.08
Lacaille 3204.			Mar. 1	G	33.27	2	I	49.93
Feb. 5	G	172 15 57.93	Lacaille 3282.			Lacaille 3332.		
7	C	57.72	Feb. 5	G	168 47 40.94	Feb. 20	G	168 18 44.01
19	I	57.26	7	C	41.36	21	I	45.11
Lacaille 3214.			11	C	41.72	Mar. 13	G	Half weight 46.18
Feb. 20	G	172 1 11.63	Lacaille 3371.			Lacaille 3404.		
21	I	12.39	Feb. 19	I	173 21 58.43	Feb. 5	G	171 13 21.83
28	G	10.71	Mar. 5	I	57.85	7	C	23.68
Lacaille 3105.			13	G	Half weight 61.96	11	C	24.00
Mar. 28	G	138 54 4.32	A Octantis.			Lacaille 3415.		
Apr. 1	G	4.80	Feb. 26	G	178 29 47.36	Feb. 20	G	168 55 9.95
Lacaille 3226.			28	G	47.71	21	I	8.83
Feb. 11	C	171 38 19.40	Mar. 1	G	49.30	28	G	9.22
Mar. 1	G	19.51	3	C	47.24	α Chamæleontis or Lacaille 3400.		
3	C	19.27	4	G	48.59	Mar. 1	G	166 31 2.57
			11	G	47.32	5	I	0.89
			12	C	47.75	α Chamæleontis or Lacaille 3400. S.P.		
			Apr. 22	G	47.69	Oct. 9	I	166 31 5.64
			23	G	49.01			
			25	C	48.21			
			26	G	47.55			
			30	C	49.28			

R.A. 8^h. 24^m. to 8^h. 50^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
θ Chamæleontis.			Lacaille 3533.			Lacaille 3623.		
Mar. 12	C	167 4 23·90	Feb. 20	G	166 29 38·40	Feb. 19	I	168 30 4·35
13	G	Half weight 28·61	21	I	39·57	27	C	2·20
14	I	24·12	26	G	40·27	28	G	4·62
Lacaille 3440.			Lacaille 3563.			Lacaille 3611.		
Feb. 5	G	167 55 4·75	Mar. 1	G	166 33 13·29	Feb. 20	G	166 39 12·29
19	I	4·86	3	C	13·97	Mar. 13	G	Half weight 14·03
Mar. 11	G	2·38	11	G	11·48	14	I	12·45
Lacaille 3437.			Lacaille 3586.			Lacaille 3630.		
Mar. 5	I	166 0 54·86	Mar. 12	C	169 42 41·77	Mar. 25	G	168 35 7·18
18	G	56·26	13	G	Half weight 44·22	26		7·20
19	I	56·41	Lacaille 3576.			28	G	7·39
* 8 Mag. R.A. 8 ^h . 25 ^m . 43 ^s .			Feb. 20	G	166 17 11·33	Lacaille 3616.		
Mar. 18	G	166 1 12·51	21	I	11·42	Feb. 20	G	166 34 61·10
Lacaille 3464.			28	G	11·19	21	I	60·42
Feb. 20	G	164 56 2·42	Lacaille 3581.			26	G	59·89
21	I	2·76	Mar. 18	G	168 2 50·52	Mar. 12	C	59·54
26	G	2·24	19	I	51·68	Lacaille 3644.		
Lacaille 3537.			25	G	50·46	Mar. 25	G	168 36 14·92
Feb. 5	G	170 29 43·51	Lacaille 3653.			26	I	14·10
7	C	45·39	Mar. 1	G	172 6 56·70	28	G	14·56
11	C	45·26	5	I	56·61	Lacaille 3632.		
Lacaille 3523.			11	G	54·94	Feb. 21	I	166 36 14·51
Feb. 19	I	168 29 30·92	Lacaille 3627.			26	G	13·02
27	C	27·94	Mar. 18	G	169 12 39·87	Mar. 13	G	Half weight 15·35
28	G	30·52	19	I	38·31	Lacaille 3669.		
			20	C	40·59	Feb. 19	I	169 1 59·57
						Mar. 3	C	60·25
						5	I	59·13

R.A. 9^h. 1^m. to 9^h. 28^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 3724.			Lacaille 3906.			Lacaille 3931.		
Feb. 19	I	165 13 26.32	Mar. 11	G	171 14 10.16	Mar. 18	G	166 10 35.41
Mar. 3	C	27.14	12	C	10.78	24	C	35.80
5	I	27.47	13	G	Half weight 8.50	25	G	35.16
11	G	25.40	Lacaille 3955.			Lacaille 3933.		
Lacaille 3778.			Mar. 24	C	173 12 31.89	Apr. 4	C	165 13 13.59
Feb. 20	G	166 3 6.34	25	G	31.09	9	G	11.71
Mar. 3	C	6.96	26	I	31.01	10	I	12.11
4	G	5.57	Lacaille 3888.			Lacaille 3947.		
12	C	7.23	Feb. 20	G	165 10 14.74	Apr. 17	I	166 42 1.80
Lacaille 3817.			Mar. 3	C	14.32	23	G	2.53
Mar. 11	G	166 8 0.91	5	I	14.61	24	I	0.02
12	C	2.71	Lacaille 3898.			Lacaille 4009.		
13	G	Half weight 4.59	Mar. 18	G	167 6 12.29	Mar. 5	I	174 4 54.85
Lacaille 3840.			19	I	12.64	26	I	54.49
Mar. 18	G	168 49 57.38	20	C	13.16	Lacaille 3962.		
20	C	56.39	* 8 Mag. R.A. 9 ^h . 21 ^m . 5 ^s .			Mar. 20	C	168 31 20.74
24	C	56.16	Mar. 18	G	167 6 23.16	Apr. 18	G	20.47
Lacaille 3822.			Lacaille 3951.			22	G	19.08
Feb. 20	G	165 3 37.22	Mar. 12	C	169 50 54.96	* 7 Mag. R.A. 9 ^h . 27 ^m . 44 ^s .		
Mar. 4	G	37.49	13	G	54.15	Mar. 19	I	174 6 11.42
5	I	37.63	14	I	54.18	Lacaille 3981.		
Lacaille 3882.			Lacaille 3941.			Feb. 19	I	170 14 14.39
Mar. 14	I	171 47 59.37	Mar. 27	C	167 21 9.87	20	G	14.57
19	I	58.20	28	G	8.75	Mar. 3	C	14.82
25	G	59.42	Apr. 1	G	9.62			

R.A. 9^h. 28^m. to 10^h. 4^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 3981. S.P.			Lacaille 4042.			Lacaille 4086.		
Oct. 8	F	170 14 15.93	Mar. 24	C	171 6 29.18	Mar. 25	G	165 11 16.98
Lacaille 4027.			27	C	28.59	27	C	16.73
Mar. 4	G	174 6 47.41	28	G	28.20	28	G	16.89
5	I	48.15	Apr. 1	G	28.55	Lacaille 4125.		
Apr. 4	C	48.07	4	C	28.67	Apr. 1	G	172 12 0.75
Lacaille 3982.			Lacaille 4048.			4	C	0.91
Mar. 18	G	167 59 10.75	Mar. 13	G	170 22 11.33	9	G	0.92
28	G	10.90	14	I	10.04	Lacaille 4103.		
Apr. 1	G	12.80	18	G	11.03	Mar. 13	G	167 41 11.05
Lacaille 4013.			Lacaille 4080.			14	I	11.90
Mar. 25	G	171 8 22.78	Mar. 3	C	171 7 44.90	18	G	11.44
26	I	25.60	4	G	45.86	Lacaille 4122.		
27	C	25.27	5	I	44.66	Mar. 24	C	170 28 6.66
Lacaille 4019.			Lacaille 4064.			Apr. 10	I	3.95
Mar. 13	G	171 16 44.32	Mar. 12	C	166 10 53.22	17	I	5.60
14	I	43.61	18	G	53.34	Lacaille 4139.		
20	C	45.91	19	I	52.32	Mar. 19	I	169 27 42.47
Lacaille 4017.			Lacaille 4083.			25	G	41.90
Apr. 9	G	170 39 28.52	Mar. 20	C	169 0 24.65	26	I	42.15
10	I	28.80	24	C	24.67	Lacaille 4195.		
17	I	28.66	26	I	24.58	Mar. 13	G	171 13 34.37
Lacaille 4041.			Lacaille 4081.			14	I	35.53
Feb. 20	G	171 41 52.25	Mar. 13	G	166 11 2.23	18	G	34.35
Mar. 4	G	51.83	14	I	1.39	Lacaille 4232.		
5	I	52.76	18	G	2.45	Mar. 18	G	171 35 58.40
						25	G	58.16
						27	C	58.23

R.A. 10^h. 5^m. to 10^h. 36^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 4226.			Lacaille 4341.			Lacaille 4432.		
Mar. 28	G	168 26 38.00	Mar. 20	C	171 0 25.73	Apr. 25	C	170 57 34.89
Apr. 1	G	37.12	24	C	27.43	26	G	34.61
4	C	37.58	25	G	25.55	29	G	35.40
Lacaille 4246.			Lacaille 4354.			Lacaille 4423.		
Apr. 9	G	170 56 48.30	Mar. 26	I	167 57 0.71	Mar. 27	C	170 30 21.81
17	I	46.50	27	C	1.46	Apr. 4	C	22.69
18	G	48.38	28	G	1.08	23	C	21.68
Lacaille 4254.			Lacaille 4392.			Lacaille 4411.		
Apr. 22	G	171 53 20.22	Mar. 20	C	170 24 18.03	Apr. 18	G	165 39 2.61
23	C	20.58	24	C	18.90	22	G	2.37
24	I	20.86	25	G	17.58	24	I	2.19
Lacaille 4255.			Lacaille 4436.			Lacaille 4414.		
Mar. 20	C	165 26 50.38	Mar. 14	I	173 41 48.96	Mar. 20	C	165 8 6.27
25	G	48.72	18	G	51.03	24	C	7.17
27	C	50.14	19	I	50.67	25	G	7.29
Lacaille 4297.			Lacaille 4391.			Lacaille 4431.		
Apr. 4	C	173 27 49.87	Mar. 26	I	165 22 55.49	Apr. 30	C	169 51 37.79
9	G	47.66	27	C	55.69	May 2	G	39.75
17	I	48.80	28	G	55.82	5	C	39.93
Lacaille 4284.			* 7.8 Mag. R.A. 10 ^h . 31 ^m . 16 ^s .			Lacaille 4428.		
Mar. 18	G	168 22 16.71	Apr. 9	G	170 40 37.95	May 6	G	167 56 56.62
28	G	16.57				17	G	56.65
Apr. 1	G	16.43				18	G	56.80
Lacaille 4346.			Lacaille 4430.			Lacaille 4441.		
Mar. 14	I	172 16 11.49	Apr. 1	G	171 15 54.78	Mar. 18	G	164 29 44.78
18	G	11.40	10	I	53.78	19	I	42.54
19	I	11.01	17	I	54.15	28	G	44.81

R.A. 10^h. 37^m. to 11^h. 17^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 4460.			Lacaille 4528.			Lacaille 4635.		
Mar. 14	I	168 50 55.35	Apr. 1	G	165 12 29.73	Apr. 9	G	170 56 18.13
25	G	55.00	4	C	30.02	10	I	18.77
26	I	54.74	9	G	29.02	18	G	18.00
Lacaille 4489.			Lacaille 4544.			Lacaille 4632.		
Mar. 28	G	169 7 4.05	Mar. 24	C	168 53 1.43	Mar. 28	G	165 26 39.06
Apr. 1	G	2.41	25	G	1.08	Apr. 1	G	37.88
4	C	3.75	26	I	0.63	4	C	37.11
Lacaille 4504.			Lacaille 4608.			Lacaille 4698.		
Mar. 27	C	171 22 7.14	Apr. 1	G	171 53 57.08	Mar. 19	I	173 44 53.79
Apr. 9	G	5.61	4	C	58.03	24	C	55.12
17	I	6.89	9	G	56.82	27	C	54.80
Lacaille 4509, or 8 ¹ Chamæleontis.			Lacaille 4605.			Lacaille 4704.		
Mar. 18	G	169 47 56.29	Apr. 17	I	170 52 34.29	Mar. 20	C	166 49 32.64
19	I	56.15	22	G	35.80	28	G	31.56
20	C	56.59	23	C	35.74	Apr. 1	G	30.84
Lacaille 4513, or 8 ² Chamæleontia.			Lacaille 4589.			Lacaille 4720.		
Mar. 20	C	169 52 12.93	Mar. 20	C	164 58 56.97	Apr. 9	G	165 7 46.46
25	G	14.56	27	C	56.76	10	I	46.52
			28	G	57.24	18	G	46.40
Lacaille 4512.			* 7.8 Mag. R.A. 10 ^h . 59 ^m . 1 ^s .			Lacaille 4729.		
Apr. 1	G	165 33 52.66	Mar. 20	C	164 54 38.01	Mar. 24	C	168 58 22.45
4	C	53.90	27	C	37.34	27	C	21.91
10	I	54.29				28	G	23.35
Lacaille 4529.			η Octantis or Lacaille 4643.			Lacaille 4742.		
Mar. 14	I	166 27 1.08	Mar. 13	G	173 54 36.85	Mar. 26	I	166 54 41.29
27	C	1.33	19	I	36.85	Apr. 1	G	41.56
28	G	2.66	24	C	38.19	4	C	42.23

R.A. 11^h. 22^m. to 12^h. 14^m.

Day.	Observer.	°	'	"	Day.	Observer.	°	'	"	Day.	Observer.	°	'	"
Lacaille 4767.					Lacaille 4880.					Lacaille 5024.				
Mar. 19	I	167	49	22.55	Apr. 4	C	169	46	43.08	Apr. 17	I	168	2	2.14
20	C			24.36	9	G			41.54	18	G			0.00
24	C			23.87	10	I			42.73	22	G			0.75
Lacaille 4811.					Lacaille 4968.					Lacaille 5038.				
Mar. 28	G	173	23	41.90	Apr. 1	G	166	44	35.46	Mar. 18	G	168	4	25.24
Apr. 1	G			41.70	9	G			36.75	28	G			25.49
4	C			41.33	10	I			37.55	Apr. 1	G			24.79
Lacaille 4831 or π^1 Chamæleontis.					Lacaille 4974.					Lacaille 5064.				
Mar. 20	C	165	11	36.70	Mar. 18	G	167	30	51.12	Mar. 27	C	167	51	60.38
28	G			36.40	26	I			52.37	Apr. 9	G			59.24
Apr. 4	C			37.24	28	G			53.19	17	I			59.79
Lacaille 4865.					Lacaille 4975.					Lacaille 5085.				
Mar. 24	C	174	47	0.78	Mar. 18	G	167	29	7.25	Mar. 18	G	168	36	24.35
Lacaille 4864.					26	I			8.39	28	G			26.17
Mar. 27	C	166	20	60.19	28	G			10.35	Apr. 1	G			24.33
Apr. 1	G			60.13	Lacaille 4991.					Lacaille 5093.				
9	G			58.83	Apr. 4	C	174	55	29.59	Apr. 9	G	166	5	36.90
Lacaille 4873.					θ^2 Crucis. S.P.					18	G			36.26
Apr. 17	I	172	23	45.49	Oct. 11	G	152	27	29.64	22	G			36.55
18	G			44.56	Lacaille 5004.					Lacaille 5105.				
22	G			45.80	Mar. 28	G	165	48	48.32	Apr. 29	G	169	21	22.51
Lacaille 4874.					Apr. 1	G			48.56	May 2	G			22.32
Mar. 20	C	168	36	5.19	9	G			46.85	5	C			20.94
26	I			5.43	Lacaille 5104.					Apr. 23	C	168	45	39.90
28	G			6.46	Apr. 23	C				25	C			40.60
										26	G			41.44

R.A. 12^h. 16^m. to 13^h. 52^m.

Day.	Observer.	°	'	"	Day.	Observer.	°	'	"	Day.	Observer.	°	'	"
Lacaille 5124.					Lacaille 5343.					Lacaille 5473, 5477.				
Apr. 9	G	166	30	36.38	Apr. 9	G	169	32	4.25	Apr. 18	G	168	17	4.85
18	G			37.06	17	I			4.71	22	G			3.94
22	G			37.59	18	G			4.78	23	C			5.30
α ¹ Crucis.					Lacaille 5339.					Lacaille 5518.				
May 21	C	152	23	39.69	Apr. 22	G	172	16	4.01	Apr. 18	G	165	54	47.59
23	C			40.67	23	C			4.54	23	C			48.58
					26	G			5.26	26	G			47.07
Lacaille 5145.					Lacaille 5353.					Lacaille 5516.				
Apr. 25	C	173	5	59.78	May 2	G	172	2	20.51	May 2	G	169	10	8.93
26	G			59.86	6	G			19.58	6	G			9.30
29	G			59.23	21	C			19.85	21	C			8.22
Lacaille 5171.					Lacaille 5369.					Lacaille 5529.				
Mar. 13	G	169	4	54.31	Apr. 18	G	167	45	53.59	Apr. 22	G	168	25	2.68
18	G			54.16	22	G			53.17	May 29	I			1.86
24	C			55.06	23	C			53.15	June 20	I			2.94
Lacaille 5177.					Lacaille 5406.					Lacaille 5541.				
Mar. 28	G	167	29	30.24	Apr. 17	I	167	46	18.43	Apr. 23	C	166	54	28.48
Apr. 4	C			31.44	18	G			18.90	26	G			29.12
9	G			29.62	22	G			18.67	May 2	G			29.39
Lacaille 5217.					Lacaille 5424.					Lacaille 5577.				
Mar. 27	C	165	21	57.88	Apr. 18	G	169	18	12.13	Apr. 18	G	165	2	3.27
Apr. 9	G			58.47	22	G			12.08	22	G			4.10
17	I			58.29	23	C			12.72	26	G			3.40
Lacaille 5325.					Lacaille 5427.					Lacaille 5691.				
Apr. 1	G	176	52	31.30	Apr. 26	G	168	9	2.35	Apr. 26	G	173	56	12.70
					May 2	G			2.51	May 2	G			12.94
					6	G			2.34	6	G			12.07

R.A. $13^h. 53^m.$ to $14^h. 28^m.$

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 5757.			Lacaille 5801.			Lacaille 5885.		
May 21	C	166 10 53.76	July 1	G	172 15 36.27	July 14	C	166 9 13.47
23	C	54.46	2	I	35.69	16	F	13.43
29	I	53.60	7	S	34.35	21	C	14.00
Lacaille 5736.			8 Octantis or Lacaille 5802.			Lacaille 5884.		
June 25	C	170 9 8.35	Feb. 5	G	173 4 56.10	July 9	C	169 23 9.67
29	S	7.66	July 14	C	56.76	10	I	9.09
Lacaille 5736. S.P.			17	C	56.70	17	C	9.39
July 29	G	170 9 9.83	Lacaille 5802. S.P.			Lacaille 5902.		
Lacaille 5792.			July 23	G	173 4 5.71	July 1	G	165 42 13.34
May 29	I	170 24 31.35	Lacaille 5828.			2	I	13.04
June 20	S	32.86	May 29	I	169 31 11.49	8	G	13.18
25	C	34.38	July 21	C	11.37	Lacaille 5924.		
Lacaille 5816.			23	G	9.77	July 14	C	166 32 51.48
June 29	S	167 4 4.11	Lacaille 5876.			17	C	52.86
30	C	5.17	June 30	C	165 56 27.19	18	I	52.46
Lacaille 5816. S.P.			July 1	G	26.15	Lacaille 5957.		
Aug. 4	C	167 4 5.60	2	I	26.33	July 1	G	166 27 32.56
* 7.8 Mag. R.A. $14^h. 3^m. 46^s.$			Lacaille 5864.			2	I	32.78
June 30	C	167 5 5.87	July 7	S	169 31 36.37	7	S	31.66
Lacaille 5830.			8	G	36.96	Z Octantis.		
July 8	G	165 29 38.09	9	C	36.70	Feb. 5	G	177 37 23.70
9	C	38.44	Lacaille 5835.			May 21	C	25.17
10	I	37.95	May 21	C	173 34 42.06	23	C	24.22
			23	C	41.09	June 20	S	23.83
			June 25	C	41.39	21	C	23.97
						23	G	22.87
						25	C	23.85
						30	C	24.46

R.A. 14^h. 28^m. to 15^h. 18^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Z Octantis (<i>continued</i>).			Lacaille 6036.			Lacaille 6126.		
July 14	C	177 37 23.58	July 8	G	168 21 21.16	June 20	I	169 6 57.96
17	C	24.56	9	C	22.10	29	S	56.51
18	I	23.28	10	I	22.71	30	C	57.55
21	C	24.85	Lacaille 6009.			Lacaille 6169.		
23	G	22.37	June 29 S 172 51 58.65			July 1	G	164 58 2.88
24	C	23.92	July 1 G 59.09			2	I	3.74
29	G	23.72	Lacaille 6019.			8	G	2.25
30	F	24.06	July 7 S 172 25 7.12			Lacaille 6194.		
Aug. 2	G	23.40	B.A.C. 4883 or Brisbane 5046.			July 1	G	167 59 41.58
4	C	22.28	June 30 C 172 31 25.96			2	I	41.45
5	G	24.33	July 25 F 26.29			8	G	45.17
6	G	24.05	Aug. 4 C 25.85			Lacaille 6269.		
7	C	25.13	Lacaille 6077.			July 16	F	168 18 5.16
Z Octantis. S.P.			July 8 G 166 8 29.76			18	I	6.28
July 23	G	177 37 26.10	9 G 30.99			21	C	6.09
24	G	25.79	10 I 30.50			23	I	5.41
29	G	25.77	Lacaille 6006.			Lacaille 6216.		
July 30	F	26.64	July 21 C 174 16 54.71			July 1	G	174 2 3.25
Aug. 4	C	25.01	23 I 52.48			2	I	3.86
6	I	26.55	24 C 54.42			8	G	3.31
7	F	24.72	Lacaille 6030.			Lacaille 6300.		
Dec. 9	G	24.53	July 14 C 173 24 9.86			June 25	C	168 38 52.37
11	G	27.03	17 C 11.27			30	C	52.67
12	I	27.41	18 I 11.56			July 9	C	51.89
16	G	25.39	Lacaille 5980.					
19	I	27.34	July 1 G 168 30 8.56					
20	G	28.55	8 G 7.73					
22	G	26.24	9 C 9.05					

R.A. 15^h. 19^m. to 16^h. 22^m.

Day.	Observer.	" / "	Day.	Observer.	" / "	Day.	Observer.	" / "
Lacaille 6311.			Lacaille 6404.			Lacaille 6623.		
July 14	C	168 26 28.20	July 14	C	173 51 52.58	June 25	C	168 22 11.80
16	F	27.76	16	F	53.76	30	C	12.38
18	C	28.79	18	I	54.65	July 1	G	12.90
Lacaille 6339.			Lacaille 6484.			Lacaille 6628.		
July 1	G	167 48 13.56	July 1	G	167 38 49.62	July 1	G	168 20 32.62
2	I	13.98	8	G	50.13	2	I	31.71
8	G	13.72	9	C	51.27	8	G	32.31
Lacaille 6348.			Lacaille 6513.			Lacaille 6603.		
July 9	C	167 29 5.53	July 8	G	165 14 50.85	July 14	C	171 38 53.89
10	I	5.72	9	C	51.90	18	I	54.77
14	C	4.54	10	I	51.37	23	I	53.82
* 3. (Tempel's Comet). S.P.			Lacaille 6527.			Lacaille 6688.		
Jan. 10	G	172 56 58.34	July 14	C	166 52 26.12	July 1	G	165 39 36.11
			18	I	27.35	2	I	36.58
			21	C	28.01	8	G	36.56
Lacaille 6411.			Lacaille 6554.			Lacaille 6762.		
July 1	G	169 0 20.57	July 16	F	165 53 55.41	June 25	C	165 39 54.58
2	I	21.57	23	I	55.14	30	C	53.65
8	G	20.68	25	F	56.41	July 1	G	53.98
Lacaille 6435.			Lacaille 6549.			Lacaille 6808, 6811.		
June 30	C	167 45 56.41	July 2	I	166 56 0.27	July 9	C	165 13 11.66
July 9	C	55.54	8	G	0.36	10	I	11.12
10	I	56.02	9	C	0.23	14	C	10.03
* 9. (Tuttle's Comet). S.P.			Lacaille 6604.			Lacaille 6791.		
Jan. 10	G	168 10 15.65	July 8	G	164 56 61.69	July 2	I	168 45 41.88
			9	C	60.93	8	G	42.23
			14	C	59.32			

R.A. 16^h. 22^m. to 17^h. 53^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 6791. S.P.			B.A.C. 5783.			Lacaille 7361. S.P.		
Jan. 16	C	168 45 43.37	June 30	C	156 47 44.89	Jan. 16	C	167 47 35.64
27	C	42.31						
B.A.C. 5626.			Lacaille 7088.			Brisbane 6058.		
June 30	C	153 3 16.75	July 1	G	170 43 59.81	July 2	I	177 39 19.08
Lacaille 6948. S.P.			Lacaille 7088. S.P.			Lacaille 7462.		
Jan. 8	G	166 0 29.69	Jan. 16	C	170 44 2.43	June 30	C	165 6 15.24
10	G	26.91				July 24	C	14.87
Lacaille 6939.			Lacaille 7105.			30	F	14.02
July 2	I	167 52 39.34	July 2	I	170 57 12.16	Lacaille 7394.		
Lacaille 6939. S.P.			σ Ophiuchi.			July 14	C	172 31 27.65
Jan. 14	G	167 52 39.94	July 14	C	85 44 51.25	18	I	28.06
16	C	40.64	Lacaille 7332.			23	I	27.10
Lacaille 6992.			July 2	I	166 0 0.58	Lacaille 7348.		
July 2	I	166 2 1.24	B.A.C. 5965.			July 1	G	174 25 8.29
8	G	0.28	July 14	C	154 15 42.7	8	G	8.38
Lacaille 7020.			β Ophiuchi.			Lacaille 7474.		
June 25	C	164 53 2.94	June 30	C	85 22 37.58	July 29	G	165 11 36.19
Lacaille 7028.			Lacaille 7372.			Aug. 1	C	36.92
July 8	G ²	165 11 56.69	July 9	C	166 8 34.06	4	C	37.00
9	C	58.34	10	I	34.74	* 8 Mag. R.A. 17 ^h . 53 ^m . 21 ^s .		
10	I	56.94	Lacaille 7361.			Aug. 11	C	165 11 50.29
Lacaille 7018.			July 8	G	167 47 29.64	Lacaille 7473.		
July 2	I	168.13 54.43				July 25	F	165 53 17.34
						Aug. 6	I	17.50
						8	C	18.12

R.A. 17^h. 56^m. to 18^h. 27^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 7489.			Lacaille 7525.			σ Octantis (continued).		
Aug. 8	C	165 33 55.23	July 1	G	170 17 7.42	Sept. 18	C	179 16 38.82
9	G	54.37	Lacaille 7559.			20	G	40.42
12	G	54.57	July 24	C	165 5 29.95	23	G	39.66
Lacaille 7486.			29	G	29.24	25	F	38.77
July 1	G	167 5 33.97	Aug. 4	C	29.00	26	F	38.89
Lacaille 7511.			Lacaille 7569.			σ Octantis. S.P.		
July 24	C	166 41 7.48	July 14	C	167 25 20.97	Jan. 10	G	179 16 41.70
Aug. 4	C	6.00	24	C	20.86	Mar. 14	I	41.44
Lacaille 7466.			29	G	20.97	Sept. 18	C	41.84
July 14	C	170 15 56.73	Aug. 1	C	20.77	21	G	42.69
18	I	57.22	σ Octantis.			Oct. 3	F	41.95
23	I	58.43	July 30	F	179 16 40.33	Lacaille 7562.		
* 6.7 Mag. R.A. 17 ^h . 458 ^m . 52.			Aug. 6	I	39.22	July 1	G	171 53 49.55
July 29	G	166 41 22.43	7	F	39.37	Lacaille 7548.		
Brisbane 6229. S.P.			9	G	39.15	July 1	G	173 40 19.38
Mar. 1	G	176 16 7.21	12	G	39.11	Lacaille 7573.		
Lacaille 7515.			16	F	39.75	July 14	C	173 25 43.56
June 30	C	169 58 22.48	19	F	39.71	18	I	42.90
Lacaille 7539.			26	G	38.83	23	I	42.87
July 14	C	169 19 5.91	28	C	40.76	Lacaille 7664.		
18	I	6.75	29	F	40.21	July 24	C	168 10 6.64
23	I	6.47	30	G	37.31	29	G	4.99
			Sept. 1	C	40.78	Lacaille 7615.		
			4	G	39.14	July 18	I	173 33 9.96
			5	I	38.34			
			8	G	38.50			
			9	C	38.66			
			10	F	39.42			
			11	C	40.22			
			15	C	39.92			
			16	G	38.79			
			17	F	39.36			

R.A. 18^h. 29^m. to 20^h. 15^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 7612.			Lacaille 8212.			Lacaille 8328.		
July 14	C	174 4 47.64	July 23	I	165 6 2.46	Aug. 6	I	170 57 2.34
23	I	47.42	29	G	1.41	28	C	2.75
24	C	47.80	Aug. 8	C	2.23	29	F	2.97
Lacaille 7751.			22 Cygni.			Lacaille 8350.		
July 2	I	174 55 56.81	Oct. 2	I	51 50 56.72	Aug. 30	G	169 18 51.68
			9	I	60.18	Sept. 1	C	51.84
Lacaille 7751. S.P.			Lacaille 8252.			4	G	50.70
Feb. 7	C	174 55 57.09	July 23	I	165 6 40.67	5	I	49.32
15	G	60.16	Lacaille 8202.			Lacaille 8257.		
19	I	58.03	July 29	G	173 41 39.83	Aug. 4	C	174 49 49.40
20	G	57.63	Aug. 4	C	39.69	8	C	49.69
21	I	57.12	5	G	39.12	9	G	50.45
28	G	57.32	Lacaille 8301.			12	G	50.09
Mar. 5	I	56.63	Aug. 4	C	169 20 51.42	Lacaille 8331.		
12	C	57.02	Lacaille 8306.			Aug. 16	F	171 22 35.38
Lacaille 7884.			Aug. 5	G	169 26 25.89	Sept. 9	C	36.52
July 8	G	168 3 26.71	6	I	25.78	10	F	35.18
9	C	29.21	8	C	26.91	* 8 Mag. R.A. 20 ^h . 15 ^m . 5 ^s .		
Lacaille 7906.			Lacaille 8323.			Sept. 4	G	167 36 47.95
July 8	G	167 14 48.03	Aug. 12	G	169 47 33.22	* 8.9 Mag. R.A. 20 ^h . 15 ^m . 8 ^s .		
18	I	48.94	19	F	31.41	Sept. 4	G	167 36 49.02
Lacaille 8179.			Lacaille 8336.			Lacaille 8377.		
Oct. 6	C	169 10 3.77	Aug. 4	C	169 9 23.19	Aug. 5	G	167 42 36.04
Lacaille 8181.			7	F	23.39	6	I	35.63
Oct. 6	C	169 7 3.43	8	C	24.42	19	F	35.86
9	I	0.53	9	G	23.55	28	C	36.42
10	C	1.96						

R.A. 20^h. 15^m. to 20^h. 58^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 8377 (continued).			α Cygni.			Lacaille 8580.		
Aug. 29	F	167 42 37.34	Oct. 2	I	45 10 19.66	Aug. 6	I	169 46 37.93
Sept. 1	C	37.83	Lacaille 8483.			Sept. 4	G	36.72
9	C	37.50	Aug. 6	I	171 5 42.57	9	C	38.11
* 8 Mag. R.A. 20 ^h . 27 ^m . 11 ^s .			Lacaille 8507.			Lacaille 8614.		
Aug. 29	F	169 32 6.96	Aug. 6	I	171 53 12.50	Sept. 18	C	166 28 47.05
Lacaille 8448.			7	F	10.48	19	I	46.37
Aug. 4	C	165 29 51.85	12	G	12.56	20	G	48.00
5	G	53.39	* S.P. 7 Mag. R.A. 20 ^h . 46 ^m .			Lacaille 8615.		
6	I	52.30	Feb. 11	C	175 42 22.58	Aug. 12	G	166 42 53.45
Lacaille 8420.			Lacaille 8535.			29	F	54.14
Aug. 7	F	170 46 25.05	Aug. 16	F	171 11 12.57	Sept. 1	C	54.53
Lacaille 8425.			Lacaille 8515.			* 8 Mag. R.A. 20 ^h . 54 ^m . 28 ^s .		
Aug. 12	G	170 18 14.60	Aug. 19	F	172 31 18.93	Sept. 25	C	174 49 36.20
19	F	12.60	28	C	22.04	30	G	34.67
Lacaille 8446.			29	F	20.03	* 8 Mag. R.A. 20 ^h . 54 ^m . 30 ^s .		
Sept. 1	C	169 24 9.57	Lacaille 8563.			Sept. 25	C	174 49 (36.)
5	I	9.30	Sept. 1	C	168 2 15.25	30	G	(35.)
9	C	8.90	4	G	14.73	Lacaille 8511.		
Lacaille 8434.			9	C	15.55	Sept. 25	C	174 47 28.85
Aug. 16	F	170 35 19.22	Lacaille 8570.			Lacaille 8592.		
Lacaille 8493.			Aug. 12	G	167 30 15.94	Sept. 1	C	172 43 31.12
Aug. 6	I	166 17 28.54	Lacaille 8528.			5	I	32.70
12	G	28.58	Sept. 11	C	173 46 28.89	9	C	33.16
28	C	30.27	15	C	30.09	Lacaille 8618.		
			17	F	28.53	Aug. 12	G	170 51 42.92
						16	F	42.85

R.A. 20^h. 59^m. to 21^h. 44^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 8569.			Lacaille 8636.			Lacaille 8751.		
Sept. 10	F	173 43 53.13	Sept. 1	C	173 34 37.83	Sept. 8	G	174 32 20.66
11	C	50.89	5	I	37.65	10	F	19.83
15	C	51.07	8	G	38.00	11	C	21.20
B Octantis.			Lacaille 8713.			Lacaille 8720. S.P.		
Apr. 30	C	179 25 56.77	Aug. 12	G	167 3 44.91	Mar. 11	G	175 36 59.98
May 2	G	57.90	16	F	44.54	Apr. 25	C	59.20
6	C	56.26	Lacaille 8703.			Lacaille 8797.		
Sept. 22	C	57.69	Aug. 28	C	170 28 3.06	Sept. 15	C	173 0 42.33
25	C	56.32	Sept. 9	C	2.95	17	F	42.02
30	G	54.48	10	F	2.12	Lacaille 8797. S.P.		
Oct. 1	F	55.25	Lacaille 8672.			May 5	C	173 0 42.54
2	I	57.13	Aug. 19	F	173 13 52.61	B.A.C. 7521.		
8	F	56.35	Sept. 11	C	53.46	Oct. 4	C	50 9 23.39
9	I	55.43	15	C	54.84	Lacaille 8885.		
11	G	55.93	Lacaille 8732.			Aug. 19	F	167 55 28.09
13	F	54.49	Aug. 29	F	170 35 24.67	Sept. 1	C	28.19
17	I	54.11	Sept. 1	C	24.44	5	C	28.73
24	I	55.64	5	I	23.65	Lacaille 8879.		
B Octantis. S.P.			Lacaille 8766.			Sept. 8	G	170 18 54.98
Apr. 25	C	179 25 59.22	Aug. 12	G	165 45 8.71	9	C	55.79
30	C	57.49	16	F	7.48	10	F	54.04
May 2	G	57.72	28	C	10.95	Lacaille 8909.		
5	C	57.47	Lacaille 8783.			Sept. 25	C	166 48 34.63
Lacaille 8671.			Aug. 19	F	170 0 15.55			
Sept. 4	G	165 52 9.66	Sept. 1	C	16.61			
10	F	11.31						
11	C	11.64						
15	C	10.71						
Lacaille 8643.								
Aug. 19	F	170 38 16.80						
28	C	18.37						

R.A. 21^h. 45^m. to 22^h. 29^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
B.A.C. 7614.			Lacaille 9010.			Lacaille 9049.		
Oct. 9	I	51 3 27.23	Aug. 29	F	171 4 10.67	Sept. 1	C	169 50 42.33
24	I	28.87	Sept. 1	C	9.97	22	C	42.37
Lacaille 8942.			5	I	8.96	25	C	41.56
Aug. 19	F	166 17 1.00	11	C	10.42	Lacaille 9085.		
29	F	1.96	C Octantis.			Aug. 29	F	168 21. 27.89
Lacaille 8946.			May 17	G	176 36 35.52	Sept. 8	G	25.68
Sept. 1	C	166 43 23.71	21	C	35.50	10	F	23.59
5	I	23.65	Oct. 4	C	35.08	Lacaille 9095. S.P.		
8	G	23.26	6	C	35.20	Apr. 23	C	168 51 31.66
Lacaille 8991.			9	I	34.60	Lacaille 9105.		
Sept. 1	C	166 29 59.94	10	C	34.48	Sept. 5	I	173 28 5.42
5	I	61.05	17	I	32.80	Lacaille 9102.		
α Aquarii.			24	I	33.87	Sept. 8	G	173 54 23.95
Sept. 22	C	90 56 8.58	28	I	33.18	10	F	23.45
25	C	9.84	C Octantis. S.P.			11	C	23.00
Lacaille 8996.			Mar. 19	I	176 36 37.12	B.A.C. 7841.		
Sept. 8	G	166 44 9.22	24	C	34.60	Oct. 13	F	152 38 0.06
10	F	9.48	26	I	36.56	6 Lacertæ.		
11	C	9.86	Apr. 10	I	36.31	Oct. 17	I	47 31 45.73
Lacaille 9022.			May 17	G	37.33	Lacaille 9123.		
Sept. 8	G	168 8 29.01	18	G	36.70	Sept. 17	F	174 24 12.38
10	F	29.53	21	C	36.32	18	C	12.55
Lacaille 9022. S.P.			Lacaille 8998.					
May 5	C	168 8 31.09	Sept. 18	C	174 9 12.64			
			19	I	13.32			
			20	G	13.47			
			Lacaille 9055.					
			Sept. 11	C	165 36 7.98			
			15	C	10.15			
			17	F	8.51			

R.A. 22^h . 32^m . to 23^h . 9^m .

Day.	Observer.		Day.	Observer.		Day.	Observer.		
Lacaille 9165.			Lacaille 9273.			Lacaille 9392.			
Sept. 22	C	172 2 44.49	Sept. 17	F	165 40 12.81	Sept. 15	C	171 7 4.22	
11 Lacertæ.			15 Lacertæ.			17	F	2.87	
Oct. 24	I	46 20 55.22	Oct. 10	C	47 21 45.07	7 Octantis.			
Lacaille 9191.			11	G	44.02	Nov. 3	G	178 10 41.08	
Sept. 5	I	165 29 0.75	24	I	44.79		7	F	38.39
Lacaille 9191. S.P.			Lacaille 9260.				10	I	41.04
May 21	C	165 29 1.52	Sept. 10	F	173 23 2.36		12	G	40.93
Lacaille 9202.			2 Andromedæ.			14	G	40.86	
Sept. 10	F	170 47 32.40	Oct. 9	I	47 55 29.80	7 Octantis. S.P.			
17	F	32.39	10	C	30.43	Mar. 18	G	178 10 43.02	
Lacaille 9202. S.P.			Lacaille 9355. S.P.			25	G	44.25	
Apr. 30	C	170 47 33.79	Apr. 30	C	171 36 3.47	26	I	42.68	
13 Lacertæ.			May 21	C	3.09	Apr. 9	G	43.64	
Oct. 9	I	48 50 48.50	6 Andromedæ.			17	I	43.47	
10	C	47.66	Oct. 17	I	47 8 21.43	18	G	43.20	
17	I	51.65	7 Andromedæ.			22	G	42.75	
B.A.C. 7948.			Oct. 9	I	41 17 14.99	24	I	43.59	
Oct. 4	C	46 7 22.21	* 7.8 Mag. R.A. 23 ^h . 7 ^m . 21 ^s .			May 6	G	44.20	
* 7 Mag. R.A. 22 ^h . 43 ^m . 43 ^s .			Sept. 15	C	171 5 6.57	21	C	43.23	
Sept. 15	C	165 31 16.32	Lacaille 9389.			29	I	44.48	
			Sept. 18	C	170 7 32.26	Lacaille 9399.			
						Sept. 18	C	170 9 57.01	
						19	I	57.87	
						20	G	58.09	
						Lacaille 9408.			
						Sept. 25	C	165 12 31.47	
						26	I	30.37	
						30	G	29.67	

R.A. 23^h. 11^m. to 23^h. 47^m.

Day.	Observer.	° ' "	Day.	Observer.	° ' "	Day.	Observer.	° ' "
Lacaille 9427.			Lacaille 9475.			Lacaille 9563. S.P.		
Sept. 17	F	166 19 40.95	Sept. 15	C	171 31 43.76	Apr. 30	C	174 34 6.48
22	C	42.05	Lacaille 9475. S.P.			May 2	G	4.41
Lacaille 9427. S.P.			Apr. 30	C	171 31 44.88	5	C	5.52
Apr. 30	C	166 19 42.26	Lacaille 9546.			Lacaille 9607.		
13 Andromedæ.			Sept. 19	I	173 12 35.36	Sept. 19	I	172 43 27.44
Oct. 9	I	47 47 13.97	Lacaille 9546. S.P.			20	G	27.70
17	I	18.92	May 21	C	173 12 36.69	22	C	28.08
						Lacaille 9635.		
						Sept. 22	C	169 12 38.70
						26	I	38.03
						30	G	37.63

**ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.**

CATALOGUE

OF

CONCLUDED MEAN RIGHT ASCENSIONS

AND

**MEAN NORTH POLAR DISTANCES,
FOR 1873, JANUARY 1,**

OF

STARS OBSERVED IN THE YEAR 1873,

AND

STAR CONSTANTS COMPUTED FOR THE REDUCTIONS.

**(THE NORTH POLAR DISTANCES ARE CORRECTED FOR DISCORDANCES BETWEEN
THE DIRECT AND REFLEXION OBSERVATIONS WHEN REDUCED
WITH THE NADIR POINT READING.)**

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
1	Lacaille 9727....	7.6	0 0 53.12	0.73	3	+3.049	167 26 18.25	0.73	3	-20.06
2	Lacaille 9734	6.7	0 1 48.48	.15	3	3.017	169 18 21.63	.75	3	20.06
3	α Andromedæ ...	2	0 1 49.52	.85	2	3.087				
4	Lacaille 9750.....	7	0 4 1.31	.76	1	2.943	169 42 32.16	.76	1	20.05
5	Lacaille 9752 ...	6.7	0 4 3.66	.78	3	2.950	169 0 25.48	.78	3	20.05
6	Lacaille 9756 ...	5.6	0 4 13.58	.82	3	2.874	172 55 49.95	.82	3	20.05
7	Lacaille 9764 ...	7.6	0 5 45.26	.79	4	2.863	170 52 52.31	.79	4	20.05
8	γ Pegasi	3.2	0 6 41.84	.84	3	3.082				
9	Lacaille 15	7.6	0 8 3.21	.74	3	2.889	165 37 11.08	.74	3	20.04
10	Lacaille 29	6.7	0 10 17.98	.76	3	2.719	170 33 19.26	.76	3	20.03
11	Lacaille 33	6	0 11 8.67	.75	1	2.722	169 29 7.22	.75	1	20.03
12	Lacaille 39	7	0 12 20.02	.77	3	+2.667	169 56 15.99	.77	3	20.03
13	ο Octantis	7	0 13 0.33	.50	5	-1.560	179 4 8.64	.82	13	20.03
	ο Octantis S.P.						8.25	.50	3	
14	Lacaille 47	7.6	0 13 32.31	.77	3	+2.678	168 41 41.96	.77	3	20.02
15	Lacaille 57	7	0 14 47.45	.75	3	2.669	167 55 43.24	.75	3	20.01
16	Lacaille 64	6	0 16 1.88	.80	3	2.628	168 7 54.04	.80	3	20.01
17	Lacaille 76	7	0 17 50.90	.77	3	2.606	167 25 44.61	.77	3	19.99
18	β Hydri	3	0 19 2.58	.32	59	3.277	167 58 11.27	.80	1	20.25
19	Lacaille 113.....	7	0 22 59.12	.75	3	1.832	173 50 32.75	.75	3	19.95
20	12 Ceti	6	0 23 33.45	.79	9	3.059				
21	ε Andromedæ ...	4	0 31 50.84	.77	1	3.172				
22	Lacaille 197.....	7	0 36 10.43	.57	2	1.690	171 21 16.76	.75	1	19.81
	Lacaille 197 S.P.						15.29	.39	1	
23	β Ceti	2	0 37 12.75	.51	34	3.012				
24	Lacaille 221.....	6.7	0 40 37.17	.75	1	1.884	168 46 37.74	.75	1	19.74
25	δ Piscium.....	4.5	0 42 5.65	.75	1	3.101				
26	Lacaille 281.....	7.6	0 53 47.09	.65	3	1.700	167 14 28.18	.78	2	19.51
	Lacaille 281 S.P.						25.96	.39	1	
27	ε Piscium	4	0 56 21.24	.82	2	3.111				
28	Lacaille 313.....	7	0 59 33.36	.82	4	1.423	168 13 55.08	.82	4	19.38
29	Lacaille 320.....	7.8	1 1 0.60	.59	2	1.258	169 1 36.19	.79	1	19.35
	Lacaille 320 S.P.						34.87	.39	1	
30	Lacaille 322.....	7	1 2 8.42	.70	3	+1.233	168 58 41.93	.85	2	-19.32
	Lacaille 322 S.P.						41.85	.39	1	

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
31	Lacaille 324.....	7	1 2 39'56	0'87	3	+1'334	168 15 52'92	0'87	3	-19'31
32	Lacaille 342.....	7	1 3 33'83	'90	3	-0'373	173 56 7'80	'90	3	19'29
33	Lacaille 330.....	7	1 4 24'21	'88	2	+1'423	167 21 8'76	'88	2	19'27
34	Lacaille 350.....	7	1 6 0'52	'79	3	+0'254	172 19 32'97	'79	3	19'23
35	Lacaille 360.....	7	1 6 9'34	'85	3	-0'720	174 16 11'44	'85	3	19'23
36	Lacaille 420.....	7	1 16 42'20	'78	3	-0'138	172 12 33'64	'78	3	18'94
37	θ Ceti	3	1 17 40'50	'85	7	+2'996				
38	Lacaille 429.....	7	1 21 9'47	'84	3	1'019	167 16 25'31	'84	3	18'81
39	Lacaille 461.....	7	1 24 36'91	'87	3	0'168	170 33 19'29	'87	3	18'70
40	η Piscium.....	4'3	1 24 41'43	'84	3	3'199				
41	Lacaille 455.....	7	1 25 14'12	'81	1	1'166	165 42 6'23	'81	1	18'68
42	Lacaille 471.....	7	1 26 57'06	'84	3	0'348	169 41 51'91	'84	3	18'63
43	Lacaille 505.....	5'6	1 32 50'15	'82	3	+0'324	169 8 59'28	'82	3	18'43
44	Lacaille 510.....	6'7	1 33 11'80	'87	3	-0'114	170 34 36'17	'87	3	18'42
45	ν Piscium.....	5'4	1 34 49'40	'94	3	+3'114				
46	Lacaille 521.....	7	1 37 39'63	'90	3	0'741	166 39 51'73	'90	3	18'26
47	Lacaille 517.....	7	1 37 52'79	'85	3	0'911	165 37 39'73	'85	3	18'25
48	Lacaille 534.....	7	1 39 30'48	'86	3	0'659	166 53 3'02	'86	3	18'20
49	Lacaille 533.....	7	1 39 35'71	'89	3	+0'762	166 18 17'16	'89	3	18'19
50	Lacaille 551.....	6	1 41 18'45	'91	3	-0'102	169 47 18'26	'92	2	18'13
51	Lacaille 576.....	6	1 41 25'16	'94	3	2'050	173 37 16'44	'94	3	18'12
52	Lacaille 558.....	7	1 42 18'68	'82	2	0'448	170 41 25'94	'82	2	18'09
53	Lacaille 592.....	7	1 42 29'58	'95	2	2'328	173 53 15'30	'95	3	18'08
54	Lacaille 563.....	6'7	1 42 45'98	'89	3	-0'411	170 33 6'23	'89	3	18'07
55	Lacaille 564.....	7	1 44 35'85	'91	3	+0'303	167 59 29'63	'91	3	18'00
56	Lacaille 573.....	7	1 44 46'87	'94	3	-0'408	170 22 29'56	'94	3	18'00
57	Lacaille 556.....	6'7	1 44 48'81	'89	3	+0'810	165 22 33'78	'89	3	17'99
58	β Arietis	3'2	1 47 37'77	'95	1	+3'297				
59	Lacaille 623.....	7	1 47 46'67	'86	3	-2'692	174 0 1'89	'86	3	17'88
60	Lacaille 606.....	5'6	1 49 1'29	'88	3	-0'710	170 48 15'22	'88	3	-17'83

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Proces. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Proces. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
61	Lacaille 633.....	7	1 50 48.37	0.85	2	-2.224	173 18 9.51	0.85	2	-17.75
62	Lacaille 628.....	7	1 52 0.84	.90	3	1.385	171 59 4.78	.90	3	17.71
63	Lacaille 637.....	6.5	1 56 6.07	.85	2	0.255	168 58 9.66	.85	2	17.54
64	Lacaille 656.....	7	1 58 29.93	.88	3	-0.452	169 22 47.23	.88	3	17.43
65	α Arietis	2	2 0 0.97	.74	6	+3.366				
66	Lacaille 652.....	6	2 0 35.67	.91	3	+0.557	165 3 21.79	.91	3	17.34
67	Lacaille 675.....	6.7	2 1 49.70	.85	3	-0.577	169 28 45.30	.85	3	17.29
68	Lacaille 700.....	7	2 2 51.12	.94	4	2.416	172 54 23.21	.94	4	17.24
69	Lacaille 760 S.P.	7	2 3 33.23	.39	1	5.955	175 39 1.88	.39	1	17.21
70	Lacaille 686.....	7	2 4 40.34	.87	3	0.592	169 18 19.53	.87	3	17.16
71	Lacaille 716.....	7	2 5 35.05	.83	4	2.697	173 6 59.26	.83	4	17.12
72	*	8.7	2 9 11.28	.91	1	3.044	173 20 19.82	.91	1	16.95
73	Lacaille 743.....	7	2 9 40.88	.90	3	2.684	172 54 4.84	.90	3	16.93
74	Lacaille 709.....	5.6	2 10 23.14	.91	3	-0.103	167 13 12.83	.91	3	16.90
75	Lacaille 704.....	7.6	2 10 24.22	.91	3	+0.365	165 5 50.68	.90	4	16.90
76	Lacaille 710.....	6	2 10 37.51	.94	3	0.055	166 33 15.71	.94	3	16.89
77	67 Ceti	6	2 10 38.97	.77	4	+2.987				
78	Lacaille 715.....	7	2 11 6.30	.94	1	-0.037	166 53 36.37	.95	2	16.86
79	*	7.8	2 14 23.11	.91	1	0.119	166 56 50.13	.91	1	16.71
80	Lacaille 734.....	6.5	2 14 23.24	.90	3	-0.119	166 56 52.72	.90	3	16.71
81	ξ^2 Ceti	4	2 21 24.50	.90	8	+3.181				
82	Lacaille 870.....	7	2 26 30.16	.87	3	-3.959	173 31 44.00	.87	3	15.56
83	Lacaille 835.....	7	2 30 30.08	.89	3	0.288	166 20 47.92	.89	3	15.88
84	Lacaille 864.....	7.6	2 33 51.46	.88	4	0.378	166 26 56.74	.88	4	15.70
85	μ Hydri or Lac. 883	5.6	2 34 24.99	.92	2	1.504	169 39 47.61	.92	2	15.67
86	Lacaille 894.....	7	2 35 52.37	.92	3	-1.504	169 35 20.90	.92	3	15.59
87	γ^2 Ceti	3.4	2 36 43.30	.88	6	+3.101				
88	Lacaille 966.....	7.6	2 42 12.63	.88	3	-3.787	172 46 37.15	.88	3	15.24
89	σ Arietis	6	2 44 29.00	.91	1	+3.300				
90	Lacaille 955.....	7.6	2 47 49.11	.87	4	-0.716	166 43 20.81	.87	4	14.92
91	Lacaille 1884 ... Lacaille 1884 S.P.	7	2 51 56.85	.58	2	-46.326	178 56 34.50 33.98	.58 .58	1 1	14.67
92	α Ceti	2.3	2 55 38.48	.84	5	+3.128				
93	Lacaille 995.....	7	2 55 51.30	.88	4	-1.439	168 22 33.33	.88	4	14.44
94	Lacaille 1036 ...	7	3 0 42.39	.87	2	2.362	170 5 48.78	.87	2	14.14
95	*	3	2 38.49	.90	1	-9.567	175 40 25.43	.90	1	-14.02

95.—It is doubtful whether this is the star observed by Lacaille No. 1146.

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
96	δ Arietis	4.5	3 4 22.15	0.90	3	+3.419				
97	Lacaille 1090 ...	7.6	3 6 59.33	.88	3	-3.509	171 34 59.55	0.88	3	-13.74
98	Lacaille 1065 ...	6	3 7 13.87	.92	3	1.380	167 39 2.87	.92	3	13.73
99	Lacaille 1086 ...	7	3 12 44.87	.30	2	0.684	165 8 22.66	.04	1	13.37
	Lacaille 1086 S.P.						20.49	.56	1	
100	Lacaille 1848 S.P.	7	3 21 7.75	.58	1	41.339	178 40 20.58	.58	1	12.81
101	Lacaille 1140 ...	7	3 22 55.74	.62	3	0.803	165 2 40.57	.62	3	12.69
102	Lacaille 1236 ...	7.6	3 22 57.98	.88	3	6.771	173 59 45.24	.88	3	12.69
103	Lacaille 1185 ...	6	3 27 42.05	.91	3	1.554	167 11 2.65	.91	3	12.37
104	Lacaille 1263 ...	7	3 30 29.94	.91	3	5.228	172 42 20.08	.91	3	12.18
105	Lacaille 1222 ...	6.7	3 31 50.99	.91	3	1.968	168 2 42.62	.91	3	12.08
106	Lacaille 1204 ...	6.7	3 31 55.06	.46	2	0.918	165 1 26.51	.46	2	12.08
107	Lacaille 1278 ...	7	3 32 9.58	.94	2	5.527	172 55 3.50	.94	3	12.06
108	Lacaille 1281 ...	7	3 36 14.47	.91	3	3.867	171 8 4.86	.91	3	11.77
109	Lacaille 1261 ...	6.7	3 39 49.88	.90	3	-1.080	165 13 53.62	.90	3	11.52
110	γ Tauri	3	3 39 56.30	.88	1	+3.552				
111	Lacaille 1279 ...	7	3 41 22.28	.04	3	-1.396	166 10 20.86	.04	3	11.41
112	Lacaille 1296 ...	6	3 41 23.06	.93	3	2.448	168 43 55.39	.93	3	11.40
113	Lacaille 1307 ...	6.7	3 42 9.54	.94	4	2.879	169 30 20.70	.94	4	11.35
114	Lacaille 1340 ...	7.6	3 45 39.41	.80	3	4.169	171 15 22.80	.91	2	11.10
	Lacaille 1340 S.P.						20.89	.58	1	
115	*	7.8	3 45 54.13	.91	1	4.180	171 15 43.92	.91	1	11.09
116	Lacaille 1319 ...	7	3 48 45.31	.03	3	1.091	164 53 50.17	.03	3	10.87
117	Lacaille 1358 ...	7	3 49 37.29	.96	3	3.595	170 24 38.63	.96	3	10.80
118	Lacaille 1334 ...	7.6	3 50 15.53	.93	3	1.855	167 6 3.19	.93	3	10.76
119	Lacaille 1328 ...	7.6	3 50 27.99	.95	2	1.165	165 4 37.98	.95	3	10.74
120	*	7	3 50 47.74	.97	1	1.749	166 48 23.56	.97	1	10.71
121	Lacaille 1343 ...	7.6	3 51 8.57	.92	3	-1.771	166 51 14.31	.92	3	10.69
122	γ Eridani	3	3 52 6.24	.17	8	+2.794				
123	Lacaille 1353 ...	6.7	3 53 27.89	.62	3	-1.587	166 16 17.73	.62	3	10.52
124	Lacaille 1471 ...	7.6	3 59 25.65	.03	3	8.856	174 27 48.56	.03	3	10.07
125	Lacaille 1396 ...	7	4 1 1.98	.04	2	-1.904	166 52 7.36	.04	2	-9.95

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
126	δ^1 Eridani.....	4.5	4 5 39.99	0.45	13	+2.923				
127	Lacaille 1444 ...	6	4 8 29.82	.03	3	-2.992	168 58 19.38	0.03	3	-9.38
128	γ Tauri	4	4 12 34.00	.93	1	+3.399				
129	Lacaille 1530 Lacaille 1530 S.P.	7	4 15 58.46	.25	3	-4.559	171 3 4.82 5.81	.07 .62	2 1	8.79
130	Lacaille 1514 ...	7.8	4 16 34.46	.04	3	3.317	169 20 10.26	.04	3	8.75
131	Lacaille 1502 ...	6.7	4 18 10.76	.02	2	-1.813	166 7 5.16	.02	2	8.62
132	ϵ Tauri	4.3	4 21 12.12	.95	5	+3.493				
133	δ Mensæ	6.5	4 26 38.05	.02	3	-4.270	170 30 34.26	.02	3	7.95
134	Lacaille 1575 ...	6.7	4 26 46.05	.05	3	-3.760	169 48 45.40	.05	3	7.94
135	α Tauri	1	4 28 38.11	.27	2	+3.435				
136	Lacaille 1662 ...	7	4 28 50.30	.93	3	-8.464	173 54 6.36	.93	3	7.77
137	Lacaille 1584 ...	7	4 30 27.95	.49	2	2.727	167 57 44.13	.64	3	7.64
138	*	7	4 30 31.20	.04	1	2.727	167 57 38.06	.04	1	7.64
139	Lacaille 1639 ...	6	4 32 19.50	.07	4	5.605	171 51 54.64	.07	4	7.49
140	Lacaille 1724 ...	7.6	4 34 47.94	.96	3	10.545	174 46 26.08	.96	3	7.29
141	Lacaille 1718 ... Lacaille 1718 S.P.	6	4 35 28.69	.86	4	9.801	174 27 59.17 58.35	.94 .62	3 1	7.23
142	Lacaille 1839 S.P.	7	4 36 54.84	.54	4	17.627	176 32 47.01	.54	4	7.11
143	Lacaille 1707 ...	6.7	4 37 46.56	.97	2	7.378	173 10 10.34	.96	3	7.04
144	Lacaille 1645 ...	7	4 37 55.45	.38	3	3.305	168 53 31.15	.38	3	7.03
145	Lacaille 1676 ...	6.7	4 44 9.83	.05	3	2.823	167 53 39.68	.05	3	6.52
146	Lacaille 1703 ϕ . Lacaille 1703 S.P.	7	4 45 13.62	.21	4	3.895	169 41 57.82 55.41	.08 .58	3 1	6.43
147	Lacaille 1702 ...	7	4 48 37.68	.02	2	-2.242	166 31 57.93	.02	2	6.15
148	ϵ Aurigæ	3	4 48 43.54	.07	1	+3.895				
149	Lacaille 1816 1819 ... Lacaille 1816 1819 S.P.	7	4 54 14.25	.74	3	-8.591	173 43 32.00 31.03	.93 .64	1 2	5.67
150	Lacaille 1768 ...	7	4 56 17.13	.02	3	4.230	170 0 53.23	.02	3	5.50
151	Lacaille 1752 ...	5.6	4 58 51.24	.08	4	1.785	165 7 53.07	.08	4	5.29
152	Lacaille 1782 ...	7	4 59 48.91	.93	3	3.185	168 20 26.62	.93	3	5.21
153	Lacaille 1784 ...	7	4 59 53.88	.95	2	-3.329	168 35 46.19	.95	3	5.20
154	ϵ Leporis	4.3	5 0 5.07	.27	4	+2.536				
155	Lacaille 1812 ... Lacaille 1812 S.P.	7	5 5 11.35	.19	4	-3.236	168 21 56.13 55.13	.05 .62	3 1	-4.75

No.	Star's Name.	Magnitude.	Mean R.A. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of R.A.	Precess. or Ann. Var. in R.A.	Mean N.P.D. 1873, Jan. 1.	Fraction of Year for Mean.	No. of Obs. of N.P.D.	Precess. or Ann. Var. in N.P.D.
			h m s			s	° ' "			"
156	Lacaille 1814 ...	7	5 7 4.78	0.11	3	-2.474	166 47 37.43	0.11	3	-4.59
157	Lacaille 1829 ...	6	5 7 4.79	.23	3	3.309	168 28 21.05	.02	2	4.59
	Lacaille 1829 S.P.						17.94	.66	1	
158	Lacaille 1835 ...	7	5 8 22.81	.93	1	-3.251	168 21 13.09	.93	1	4.48
159	β Orionis	1	5 8 26.07	.31	7	+2.880				
160	Lacaille 1857 ...	7	5 12 35.34	.02	3	-2.933	167 42 27.74	.02	3	4.12
161	Lacaille 1921 ...	6	5 13 24.85	.05	3	7.059	172 38 9.25	.05	3	4.05
162	Lacaille 1881 ...	7	5 16 14.45	.09	4	2.781	167 21 37.43	.09	4	3.81
163	Lacaille 1935 ...	7.6	5 20 25.73	.12	4	4.840	170 32 52.94	.13	3	3.45
164	Lacaille 1943 ...	7.8	5 21 14.54	.85	3	-4.656	170 19 22.71	.94	2	3.38
	Lacaille 1943 S.P.						20.67	.66	1	
165	θ Pictoris 1st *.	6.7	5 21 49.41	.03	3	+1.358	142 25 31.77	.03	3	3.32
166	θ Pictoris 2nd *.	6	5 21 53.50	.03	3	+1.358	142 25 42.54	.03	3	3.32
167	Lacaille 1989 ...	6.7	5 24 46.33	.84	3	-5.954	171 40 15.07	.95	2	3.07
	Lacaille 1989 S.P.						16.67	.62	1	
168	δ Orionis	2	5 25 31.13	.06	4	+3.064				
169	Lacaille 1937 ...	7	5 25 54.44	.09	3	-2.242	166 1 46.24	.10	3	2.97
170	Lacaille 1953 ...	7	5 26 19.59	.95	3	1.905	165 7 9.16	.95	3	2.94
171	Lacaille 2066 ...	6.7	5 26 53.72	.14	3	-9.510	173 59 50.33	.14	3	2.89
172	α Leporis	3	5 27 7.79	.06	2	+2.646				
173	ε Orionis	2	5 29 46.14	.20	10	+3.041				
174	Lacaille 2050 ...	7	5 33 32.83	.06	3	-5.446	171 8 19.18	.06	3	2.31
175	α Columbae.....	2	5 35 2.99	.17	7	+2.179				
176	γ Mensæ.....	6	5 36 55.40	.03	3	-2.439	166 25 49.34	.03	3	2.02
177	Lacaille 2022 ...	7	5 37 11.74	.31	3	2.004	165 18 52.34	.11	3	1.99
178	ι Mensæ	5.6	5 43 23.65	.03	4	3.715	168 53 6.19	.03	4	1.45
179	Lacaille 2125 ...	7	5 45 44.61	.09	3	4.475	169 58 23.60	.09	3	1.25
180	Lacaille 2103 ...	7	5 46 57.30	.16	3	2.235	165 52 53.27	.16	3	1.14
181	Lacaille 2138 ...	5.6	5 47 19.15	.04	3	-4.958	170 33 42.44	.04	3	1.11
182	Lacaille 2052 ...	5	5 48 0.84	.03	3	+1.355	142 8 21.17	.03	3	1.05
183	α Orionis	Var.	5 48 17.76	.42	6	+3.246				
184	Lacaille 2171 ...	7	5 48 23.33	.12	2	-6.046	171 40 7.35	.12	3	1.02
185	Lacaille 2206 ...	6	5 54 50.73	.13	7	-11.732	174 50 27.87	.13	8	-0.45

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			h m s			s	° ' "			"
186	Lacaille 2210 ...	6.5	5 58 51.22	0.16	3	-4.058	169 22 50.57	0.16	3	-0.17
187	Lacaille 2209 ...	7	5 59 39.20	.12	3	-3.559	168 36 6.05	.12	3	0.03
188	γ Orionis	5.4	6 0 19.29	.14	4	+3.426				
189	η Geminorum ...	3.4	6 7 12.78	.16	1	3.627				
190	μ Geminorum ...	3	6 15 16.60	.22	15	+3.632				
191	Lacaille 2304 ...	7.6	6 16 3.19	.12	3	-1.920	165 2 29.93	.12	3	+1.40
192	Lacaille 2316 ...	6.7	6 16 15.82	.14	3	2.735	167 3 55.79	.14	3	1.42
193	Lacaille 2385 ...	7	6 18 30.63	.16	3	5.365	171 1 30.44	.16	3	1.62
194	Lacaille 2403 ...	7.8	6 18 56.13	.13	2	6.354	171 57 15.05	.13	3	1.66
195	Lacaille 2363 ...	7	6 20 57.45	.18	3	2.694	166 59 51.38	.18	3	1.83
196	Lacaille 2426 ...	6.7	6 21 40.73	.12	3	6.397	171 59 56.49	.12	4	1.90
197	Lacaille 2439 ...	7.8	6 22 56.64	.16	3	6.826	172 6 34.70	.16	3	2.00
198	π ¹ Doradus	6	6 23 50.04	.03	2	0.564	159 54 51.12	.03	2	2.08
199	Lacaille 2440 ...	7	6 24 27.37	.14	3	5.813	171 29 35.32	.14	3	2.14
200	π ² Doradus	5.6	6 26 33.62	.05	2	0.502	159 37 3.70	.05	2	2.32
201	Lacaille 2431 ...	7.8	6 28 11.37	.16	3	3.355	168 20 9.66	.16	3	2.46
202	Lacaille 2442 ...	7.6	6 28 55.46	.14	3	-3.746	168 59 29.15	.14	3	2.52
203	γ Geminorum ...	2.3	6 30 22.45	.20	15	+3.466				
204	Lacaille 2466 ...	6.7	6 34 7.59	.10	3	-2.746	167 11 46.68	.10	3	2.97
205	Lacaille 2502 ...	7	6 36 21.86	.07	3	3.600	168 48 26.06	.07	3	3.17
206	ξ Geminorum ...	4.3	6 38 9.72	.17	1	+3.378				
207	Lacaille 2551 ...	8.7	6 39 12.43	.13	3	-4.746	170 26 6.91	.13	3	3.41
208	α Canis Majoris	1	6 39 32.90	.39	5	+2.646				
209	*	8.7	6 39 53.00	.12	3	-4.786	170 29 13.12	.13	4	3.47
210	Lacaille 2527 ...	6.7	6 40 16.80	.13	3	2.901	167 34 18.90	.13	3	3.51
211	Lacaille 2592 ...	7.8	6 46 39.10	.08	3	-3.255	168 18 32.32	.08	3	4.05
212	B Carinæ	5	6 47 5.67	.03	3	+1.305	143 28 30.15	.03	3	4.09
213	θ Canis Majoris..	4.5	6 48 17.36	.17	1	+2.797				
214	ζ Mensæ or La- caille 2648.	5	6 50 34.67	.13	2	-4.874	170 40 36.77	.13	3	4.39
215	Lacaille 2630 ...	6.7	6 52 44.23	.16	3	-2.433	166 41 53.87	.16	3	4.57
216	ε Canis Majoris..	2.1	6 53 38.05	.28	5	+2.357				
217	Lacaille 2658 ...	7	6 56 9.19	.09	2	-2.994	167 55 49.91	.10	3	4.86
218	Lacaille 2663 ...	7.6	6 57 8.50	.14	3	-2.778	167 30 42.39	.14	3	4.95
219	γ Canis Majoris..	4.5	6 58 0.75	.25	5	+2.717				
220	Lacaille 2724 ...	7	6 58 31.66	.09	4	-5.009	170 54 21.89	.09	4	+5.07

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			h m s			"	° ' "			"
221	Lacaille 2719 ...	7	6 59 40.96	0.19	2	-4.230	169 58 1.56	0.17	3	+5.16
222	Lacaille 2689 ...	7	7 0 7.62	.17	3	2.805	167 36 28.74	.17	3	5.20
223	Lacaille 2788 ...	7.6	7 0 33.20	.16	3	7.050	172 44 3.77	.16	3	5.24
224	θ Mensæ	5.6	7 4 34.15	.13	3	3.683	169 14 7.86	.10	3	5.58
225	Lacaille 2845 ...	7	7 5 26.91	.08	3	8.781	173 49 23.56	.08	3	5.65
226	Lacaille 2794 ...	7	7 5 55.97	.14	3	4.716	170 39 13.86	.14	3	5.69
227	Lacaille 2800 ...	7	7 11 59.35	.08	3	1.967	165 50 11.60	.08	3	6.20
228	Lacaille 2799 ...	7.6	7 12 10.62	.16	4	-1.702	165 5 24.82	.15	3	6.21
229	δ Geminorum ...	3.4	7 12 32.25	.21	7	+3.591				
230	Lacaille 2856 ...	7	7 17 14.98	.14	3	-3.548	169 12 37.14	.14	3	6.63
231	Lacaille 2936 ...	7	7 17 34.48	.16	3	8.078	173 32 50.24	.16	3	6.66
232	Lacaille 2846 ...	7	7 19 31.03	.09	3	-1.837	165 38 0.44	.09	3	6.82
233	β Canis Minoris..	3	7 20 15.81	.15	1	+3.261				
234	Lacaille 2891 ...	7	7 22 22.28	.14	3	-2.856	168 4 46.11	.14	3	7.06
235	Lacaille 2942 ...	7	7 25 28.04	.08	3	-4.773	170 58 54.73	.08	3	7.31
236	α² Geminorum...	2.1	7 26 29.71	.12	3	+3.841				
237	Lacaille 2948 ...	7	7 28 44.78	.14	3	-3.244	168 54 41.60	.11	3	9.54
238	Lacaille 2927 ...	7	7 29 47.70	.17	3	1.647	165 19 33.14	.17	3	7.66
239	Lacaille 3096 ...	7.6	7 31 56.55	.17	3	9.092	174 13 21.27	.17	3	7.83
240	ε Mensæ or La- caille 2993.	5	7 32 34.42	.16	3	-3.152	168 49 35.54	.16	3	7.88
241	α Canis Minoris .	1	7 32 39.10	.19	9	+3.144				
242	β Geminorum ...	1.2	7 37 32.49	.32	10	+3.680				
243	Lacaille 3040 ...	7	7 38 2.25	.15	3	-2.555	167 48 5.33	.15	3	8.32
244	Lacaille 3029 ...	6.7	7 38 6.04	.09	3	2.113	166 47 49.39	.09	3	8.33
245	Lacaille 3066 ...	7.6	7 41 9.20	.13	3	-2.309	167 20 24.33	.13	3	8.57
246	Lacaille 2990 ...	6	7 43 41.52	.25	2	+2.522	114 35 48.07	.25	2	8.77
247	ξ Navis	4.3	7 43 57.13	.17	1	+2.523				
248	Lacaille 3107 ...	6.7	7 46 5.36	.14	3	-2.596	168 4 56.85	.09	3	8.96
249	Lacaille 3069 ...	5	7 49 28.92	.25	2	+1.693	139 17 2.90	.25	2	9.22
250	Lacaille 3204 ...	7.6	7 52 36.77	.11	3	-5.608	172 15 59.00	.11	3	9.46
251	Lacaille 3214 ...	7	7 53 46.91	.15	3	-5.314	172 1 12.94	.15	3	9.55
252	Lacaille 3105 ...	5	7 54 35.31	.25	2	+1.727	138 54 6.39	.25	2	9.61
253	Lacaille 3226 ...	7	7 56 7.99	.15	3	-4.881	171 38 20.77	.15	3	9.73
254	Lacaille 3238 ...	6.7	7 57 35.83	.18	3	4.508	171 15 52.71	.18	3	9.84
255	Lacaille 3245 ...	7	7 59 1.96	.16	3	-4.148	170 52 2.84	.16	3	+9.95

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256	15 Argus.....	3	8 2 8.05	0.24	9	+2.554				
257	Lacaille 3270 ...	7	8 4 28.72	.15	3	-2.972	169 16 35.23	0.15	3	+10.37
258	Lacaille 3282 ...	7	8 6 41.47	.10	3	2.672	168 47 42.79	.10	3	10.53
259	Lacaille 3371 ...	7	8 8 36.58	.16	3	-6.660	173 22 0.22	.16	3	10.67
260	8 Cancrī	4.3	8 9 37.61	.77	1	+3.263				
261	A Octantis	7	8 11 54.78	.39	15	-39.674	178 29 49.26	.23	12	10.87
	A Octantis S.P.						49.21	.54	11	
262	Lacaille 3332 ...	6.7	8 13 20.24	.16	3	2.328	168 18 46.34	.16	3	11.02
263	Lacaille 3404 ...	7	8 16 54.49	.10	3	4.088	171 13 24.56	.10	3	11.28
264	Lacaille 3415 ...	6.7	8 20 40.35	.15	3	2.509	168 55 10.77	.15	3	11.55
	α Cham. or Lac. 3400.									
265	α Cham. or Lac. 3400 S.P.	4.5	8 21 45.99	.17	3	1.471	166 31 3.23	.17	2	11.63
							4.91	.77	1	
266	θ Chamæleontis	5	8 24 24.39	.19	3	1.634	167 4 26.42	.19	3	11.82
267	Lacaille 3440 ...	7	8 24 27.39	.14	3	-1.974	167 55 5.46	.14	3	11.82
268	η Cancrī	6	8 25 21.70	.22	7	+3.478				
269	Lacaille 3437 ...	7.6	8 25 38.31	.20	3	-1.249	166 0 57.35	.20	3	11.90
270	*.....	8	8 25 43.59	.21	1	1.250	166 1 14.02	.21	1	11.91
271	Lacaille 3464 ...	7.6	8 29 34.94	.14	3	0.874	164 56 4.00	.14	3	12.18
272	Lacaille 3537 ...	5.6	8 31 46.07	.10	3	3.226	170 29 46.12	.10	3	12.33
273	Lacaille 3523 ...	7.6	8 33 31.42	.15	3	2.076	168 29 31.24	.15	3	12.45
274	Lacaille 3533 ...	7	8 35 15.34	.15	4	-1.265	166 29 40.68	.15	4	12.57
275	γ Cancrī	4.5	8 35 56.03	.17	1	+3.491				
276	Lacaille 3563 ...	6.7	8 38 37.23	.17	3	-1.233	166 33 14.41	.17	3	12.80
277	Lacaille 3586 ...	7.6	8 39 29.99	.19	3	-2.580	169 42 44.01	.19	2	12.86
278	ε Hydræ	3.4	8 40 2.96	.23	4	+3.183				
279	Lacaille 3576 ...	7	8 40 20.40	.15	3	-1.120	166 17 12.81	.15	3	12.91
280	Lacaille 3581 ...	.7	8 40 25.30	.22	3	1.759	168 2 52.35	.22	3	12.92
281	Lacaille 3653 ...	6.7	8 44 5.85	.17	3	4.212	172 6 57.44	.17	3	13.16
282	Lacaille 3627 ...	7.6	8 45 13.30	.21	3	2.199	169 12 41.03	.21	3	13.24
283	Lacaille 3623 ...	6.5	8 45 35.13	.15	3	1.858	168 30 5.17	.15	3	13.26
284	Lacaille 3611 ...	7	8 45 36.02	.18	3	1.155	166 39 14.42	.18	3	13.26
285	Lacaille 3630 ...	7	8 46 4.23	.23	3	-1.886	168 35 8.71	.23	3	+13.29

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			h m s			s	° ' "			"
286	Lacaille 3616 ...	7	8 46 12.15	0.16	4	-1.123	166 35 1.74	0.16	4	+13.30
287	Lacaille 3644 ...	6	8 47 29.19	.23	3	1.867	168 36 15.98	.23	3	13.39
288	Lacaille 3632 ...	6.7	8 48 9.82	.16	3	1.097	166 36 15.58	.16	3	13.43
289	Lacaille 3669 ...	6.5	8 50 31.40	.16	3	-2.004	169 2 1.09	.16	3	13.58
290	* Cancrī	5	9 0 52.08	.13	2	+3.259				
291	Lacaille 3724 ...	7	9 1 16.96	.17	4	-0.492	165 13 28.11	.17	4	14.26
292	Lacaille 3778 ...	7	9 7 38.17	.17	4	-0.605	166 3 8.04	.17	4	14.65
293	83 Cancrī	6	9 11 53.45	.21	11	+3.355				
294	Lacaille 3817 ...	6.5	9 13 27.99	.19	3	-0.526	166 8 3.88	.19	3	14.99
295	Lacaille 3840 ...	7.6	9 14 7.39	.21	3	1.413	168 49 58.09	.21	3	15.03
296	Lacaille 3822 ...	7	9 14 16.72	.16	3	0.244	165 3 38.98	.16	3	15.04
297	Lacaille 3882 ...	7.6	9 14 52.59	.21	3	3.049	171 48 0.37	.21	3	15.07
298	Lacaille 3906 ...	7.6	9 18 27.04	.19	3	2.547	171 14 11.47	.19	3	15.28
299	Lacaille 3955 ...	7	9 20 26.34	.23	3	4.128	173 12 32.66	.23	3	15.39
300	Lacaille 3888 ...	7	9 20 54.05	.16	3	0.159	165 10 16.09	.16	3	15.41
301	Lacaille 3898 ...	7.6	9 21 5.42	.21	3	-0.660	167 6 14.19	.21	3	15.42
302	*	8	9 21 5	..	..	..	167 6 24.65	.21	1	15.42
303	α Hydræ	2	9 21 20.73	.42	13	+2.947				
304	Lacaille 3951 ...	7.6	9 24 33.08	.19	3	-1.613	169 50 55.84	.19	3	15.62
305	ξ Leonis	6	9 25 5.89	.34	1	+3.248				
306	Lacaille 3941 ...	7.6	9 25 10.78	.24	3	-0.654	167 21 10.89	.24	3	15.65
307	Lacaille 3931 ...	7.6	9 25 23.81	.22	3	0.321	166 10 36.97	.22	3	15.66
308	Lacaille 3933 ...	7	9 25 50.98	.26	3	0.085	165 13 14.00	.26	3	15.69
309	Lacaille 3947 ...	7	9 26 10.14	.30	3	0.446	166 42 2.95	.30	3	15.71
310	Lacaille 4009 ...	7	9 26 31.05	.20	2	4.934	174 4 55.98	.20	2	15.72
311	Lacaille 3962 ...	7	9 27 5.36	.27	3	1.002	168 31 21.55	.27	3	15.76
312	*	7	9 27 44.26	.21	1	4.909	174 6 12.73	.21	1	15.79
313	Lacaille 3981 ... Lacaille 3981 S.P.	5.6	9 28 17.79	.30	4	1.704	170 14 16.00 15.10	.15 .77	3 1	15.82
314	Lacaille 4027 ...	6.7	9 28 33.63	.20	3	5.072	174 6 49.19	.20	3	15.83
315	Lacaille 3982 ...	8.7	9 31 15.48	.23	3	0.725	167 59 12.94	.23	3	15.98
316	Lacaille 4013 ...	7.8	9 32 29.76	.23	3	2.074	171 8 25.94	.23	3	16.04
317	Lacaille 4019 ...	7	9 32 48.09	.20	3	2.147	171 16 46.00	.20	3	16.06
318	Lacaille 4017 ...	7	9 33 43.47	.28	3	1.770	170 39 30.06	.28	3	16.11
319	Lacaille 4041 ...	7	9 35 15.23	.16	3	2.337	171 41 53.65	.16	3	16.19
320	Lacaille 4042 ...	7.8	9 36 11.22	.24	5	-1.945	171 6 30.03	.24	5	+16.24

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			h m s			s	° ' "			"
321	Lacaille 4048 ...	5.4	9 37 32.25	0.20	3	-1.517	170 22 12.20	0.20	3	+16.30
322	ε Leonis	3	9 38 38.37	.18	2	+3.418				
323	Lacaille 4080 ...	6.7	9 42 37.47	.17	3	-1.760	171 7 46.53	.17	3	16.56
324	Lacaille 4064 ...	7	9 43 51.02	.20	3	+0.030	166 10 54.47	.20	3	16.62
325	Lacaille 4083 ...	7	9 44 54.51	.22	3	-0.754	169 0 26.07	.22	3	16.67
326	Lacaille 4081 ...	5.6	9 46 15.96	.20	3	+0.077	166 11 3.53	.20	3	16.74
327	Lacaille 4086 ...	6.7	9 47 52.29	.23	3	+0.316	165 11 18.40	.23	3	16.81
328	Lacaille 4125 ...	7.6	9 48 4.36	.26	3	-2.241	172 12 2.22	.26	3	16.82
329	Lacaille 4103 ...	7	9 49 49.32	.20	3	0.223	167 41 12.93	.20	3	16.91
330	Lacaille 4122 ...	7	9 50 18.85	.26	3	1.200	170 28 6.80	.26	3	16.93
331	Lacaille 4139 ...	6.7	9 52 49.12	.22	3	-0.715	169 27 43.60	.22	3	17.05
332	π Leonis	5	9 53 30.03	.23	7	+3.176				
333	Lacaille 4195 ...	7.8	10 0 1.44	.20	3	-1.258	171 13 36.14	.20	3	17.37
334	α Leonis	1.2	10 1 36.38	.33	17	+3.201				
335	Lacaille 4232 ...	6.5	10 4 1.23	.22	3	-1.316	171 35 59.64	.22	3	17.54
336	Lacaille 4226 ...	7.6	10 5 36.12	.25	3	0.058	168 26 39.02	.25	3	17.61
337	Lacaille 4246 ...	6	10 6 29.59	.28	3	0.916	170 56 49.12	.28	3	17.65
338	Lacaille 4254 ...	7.6	10 6 52.35	.31	3	-1.373	171 53 21.91	.31	3	17.66
339	Lacaille 4255 ...	7	10 11 2.23	.22	3	+0.715	165 26 51.27	.22	3	17.83
340	Lacaille 4297 ...	7.6	10 11 24.40	.27	3	-2.253	173 27 50.10	.27	3	17.84
341	γ ¹ Leonis.....	2	10 12 58.06	.35	6	+3.316				
342	Lacaille 4284 ...	7.6	10 13 46.48	.23	3	0.168	168 22 18.02	.23	3	17.53
343	μ Hydræ	4	10 19 56.89	.29	4	+2.908				
344	Lacaille 4346 ...	6.7	10 20 52.01	.21	3	-1.057	172 16 12.66	.21	3	18.21
345	Lacaille 4341 ...	6.7	10 21 34.20	.22	3	-0.446	171 0 27.63	.22	3	18.23
346	Lacaille 4354 ...	7	10 24 47.34	.23	3	+0.544	167 57 2.54	.23	3	18.35
347	ρ Leonis	4	10 26 7.37	.28	11	3.166				
348	Lacaille 4392 ...	7.6	10 28 47.67	.22	3	+0.007	170 24 19.57	.22	3	18.49
349	Lacaille 4436 ...	6.7	10 30 17.08	.21	3	-1.547	173 41 51.54	.21	3	18.54
350	Lacaille 4391 ...	7	10 30 44.14	.23	3	+1.126	165 22 57.19	.23	3	18.55
351	*.....	7.8	10 31 16.97	.27	1	-0.002	170 40 39.35	.27	1	18.57
352	Lacaille 4430 ...	6.7	10 32 32.07	.27	3	0.169	171 15 55.62	.27	3	18.62
353	Lacaille 4432 ...	7	10 32 51.95	.31	3	-0.049	170 57 36.36	.31	3	18.62
354	Lacaille 4423 ...	7	10 32 54.14	.26	3	+0.107	170 30 23.46	.26	3	18.63
355	Lacaille 4411 ...	6.5	10 33 3.48	.30	3	+1.137	165 39 3.91	.30	3	+18.63

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			h m s			s	° ' "			"
356	Lacaille 4414 ...	7.6	10 33 23.95	0.22	3	+1.214	165 8 8.43	0.22	3	+18.64
357	Lacaille 4431 ...	7.6	10 33 26.98	.33	3	0.315	169 51 40.57	.33	3	18.64
358	Lacaille 4428 ...	5.6	10 33 56.94	.20	3	0.776	167 56 58.15	.36	3	18.66
359	Lacaille 4441 ...	6	10 36 12.63	.22	3	1.349	164 29 45.59	.22	3	18.73
360	Lacaille 4460 ...	7	10 37 9.28	.23	3	0.673	168 50 56.47	.22	3	18.76
361	Lacaille 4489	5.6	10 40 29.63	.25	3	0.707	169 7 4.84	.25	3	18.86
362	Lacaille 4504	7	10 42 21.44	.26	3	0.145	171 22 7.94	.26	3	18.92
363	Leonis	5	10 42 34.83	.36	4	3.157				
364	Lacaille 4509 or δ ¹ Chamæleontis.	5.6	10 44 2.16	.21	3	0.654	169 47 57.76	.21	3	18.96
365	Lacaille 4513 or δ ² Chamæleontis.	5	10 44 33.92	.22	3	0.653	169 52 15.16	.22	2	18.98
366	Lacaille 4512	7	10 46 10.43	.26	3	1.428	165 33 55.14	.26	3	19.02
367	Lacaille 4529	7	10 48 5.29	.23	3	1.360	166 27 3.19	.22	3	19.08
368	Lacaille 4528 ...	6	10 48 18.91	.26	3	1.514	165 12 31.12	.26	3	19.08
369	Lacaille 4544 ...	6.5	10 50 21.70	.23	3	1.037	168 53 2.48	.23	3	19.14
370	Leonis	5	10 54 0.06	.29	2	3.101				
371	Lacaille 4608 ...	7.6	10 57 22.07	.26	3	0.537	171 53 58.67	.26	3	19.31
372	Lacaille 4605 ...	7.6	10 57 43.11	.30	3	0.837	170 52 36.67	.30	3	19.30
373	Lacaille 4589 ...	7.6	10 57 48.47	.23	3	1.737	164 58 58.52	.23	3	19.32
374	χ Leonis	5	10 58 27.88	.28	4	3.098				
375	*	7.8	10 59 1.40	.22	2	+1.771	164 54 39.21	.22	2	19.35
376	η Octantis or Lacaille 4643.	6.5	11 0 8.16	.21	3	-0.165	173 54 38.61	.21	3	19.38
377	Lacaille 4635 ...	7	11 1 12.31	.28	3	+0.945	170 56 19.69	.28	3	19.40
378	Lacaille 4632	7.6	11 2 10.37	.25	3	1.787	165 26 39.54	.25	3	19.42
379	δ Leonis	2.3	11 7 21.07	.25	1	3.201				
380	Lacaille 4698.....	7	11 7 29.11	.22	3	0.300	173 44 55.89	.22	3	19.53
381	Lacaille 4704	7	11 11 18.17	.23	3	1.868	166 49 33.18	.23	3	19.60
382	δ Crateris.....	3.4	11 12 59.49	.28	3	3.003				
383	Lacaille 4720	7.6	11 14 36.44	.28	3	2.081	165 7 47.99	.28	3	19.67
384	Lacaille 4729	6	11 14 51.07	.23	3	1.729	168 58 24.01	.23	3	
385	Lacaille 4742	6.7	11 17 40.66	.24	3	+2.016	166 54 43.18	.24	3	

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			h m s			s	° ' "			"
386	τ Leonis	5	11 21 24.27	0.27	1	+3.086				
387	Lacaille 4767	7	11 22 50.62	.21	3	2.072	167 49 25.06	0.21	3	+19.79
388	Lacaille 4811	7	11 27 12.03	.25	3	1.435	173 23 42.96	.25	3	19.85
389	ν Leonis	5.4	11 30 26.76	.27	11	3.072				
390	Lacaille 4831 or π^1 Chamæleontis.	6.5	11 32 2.41	.23	3	2.457	165 11 38.31	.23	3	19.91
391	Lacaille 4865	7	11 34 30.91	.22	1	1.447	174 47 2.07	.22	1	19.93
392	Lacaille 4864	6.7	11 36 7.85	.25	3	2.500	166 21 1.22	.25	3	19.95
393	Lacaille 4873 ...	7.6	11 36 38.17	.29	3	2.053	172 23 46.63	.29	3	19.95
394	Lacaille 4874 ...	6	11 37 34.13	.23	3	2.424	168 36 7.14	.23	3	19.96
395	Lacaille 4880 ...	6	11 38 28.86	.26	3	2.377	169 46 43.87	.26	3	20.00
396	β Leonis	2	11 42 34.75	.55	6	3.064				
397	β Virginis	3.4	11 44 4.82	.48	3	3.076				
398	Lacaille 4968 ...	7.8	11 51 6.99	.26	3	2.852	166 44 38.09	.26	3	20.04
399	Lacaille 4974 ...	5.6	11 53 20.95	.23	3	2.897	167 30 53.71	.23	3	20.05
400	Lacaille 4975 ...	7.6	11 53 46.78	.23	3	2.908	167 29 10.14	.23	3	20.05
401	π Virginis	4.5	11 54 21.85	.38	1	3.077				
402	Lacaille 4991 ...	6	11 56 2.77	.25	1	2.813	174 55 30.87	.25	1	20.05
403	θ^2 Crucis S.P. ...	5.6	11 57 46.99	.77	1	3.048	152 27 29.26	.77	1	20.05
404	Lacaille 5004 ...	5	11 58 14.41	.25	3	3.032	165 48 49.43	.25	3	20.06
405	Lacaille 5024 ...	7.6	12 0 23.68	.29	3	3.083	168 2 2.42	.29	3	20.06
406	Lacaille 5038 ...	7.6	12 2 18.66	.23	3	3.136	168 4 26.63	.23	3	20.05
407	ϵ Corvi	3	12 3 35.66	.50	6	3.076				
408	Lacaille 5064 ...	6	12 6 49.63	.26	3	3.258	167 52 1.26	.26	3	20.05
409	Lacaille 5085 ...	4.5	12 10 56.62	.23	3	3.389	168 36 26.40	.23	3	20.03
410	Lacaille 5093 ...	6.7	12 12 31.29	.29	3	3.367	166 5 38.08	.29	3	20.03
411	η Virginis	3.4	12 13 24.47	.24	5	3.065				
412	Lacaille 5105 ...	7	12 13 42.61	.33	4	3.498	169 21 23.35	.33	3	20.02
413	Lacaille 5104 ...	7.6	12 14 6.60	.31	3	3.486	168 45 42.10	.31	3	20.02
414	Lacaille 5124 ...	6.7	12 16 53.24	.29	3	3.482	166 30 38.51	.29	3	20.00
415	α^1 Crucis	1	12 19 33.31	.39	2	3.267	152 23 41.93	.39	2	19.93
416	Lacaille 5145 ...	6.5	12 19 53.89	.31	3	4.030	173 6 0.95	.31	3	19.98
417	Lacaille 5171 ...	7.6	12 23 58.41	.21	3	3.796	169 4 55.95	.21	3	19.95
418	Lacaille 5177 ...	7	12 24 13.04	.25	3	3.708	167 29 31.91	.25	3	19.94
419	β Corvi	2.3	12 27 43.07	.38	19	3.132				
420	Lacaille 5217 ...	7.6	12 30 44.34	.26	3	+3.757	165 21 59.73	.23	3	+19.88

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			h m s			s	° ' "			"
421	35 Virginis	6	12 41 23.41	0.26	2	+ 3.045				
422	Lacaille 5325 ...	7	12 53 27	176 52 32.52	0.25	1	+ 19.51
423	Lacaille 5343 ...	7	12 53 45.91	.28	3	4.755	169 32 6.01	.28	3	19.51
424	Lacaille 5339 ...	7	12 54 22.15	.31	3	5.386	172 16 5.95	.31	3	19.49
425	Lacaille 5353 ...	7	12 56 25.46	.35	3	5.402	172 2 21.34	.35	3	19.45
426	Lacaille 5369 ...	6	12 58 11.97	.30	3	4.621	167 45 54.77	.30	3	19.41
427	θ Virginis	4.5	13 3 22.52	.31	4	3.099				
428	Lacaille 5406 ...	6.5	13 3 48.13	.29	3	4.768	167 46 20.14	.29	3	19.26
429	Lacaille 5424 ...	6	13 7 27.55	.30	3	5.126	169 18 13.74	.30	3	19.19
430	Lacaille 5427 ...	6.7	13 7 36.08	.33	3	4.925	168 9 3.86	.33	3	19.19
431	Lacaille 5473 ... 5477	7	13 13 58.49	.30	3	5.117	168 17 6.16	.30	3	19.02
432	α Virginis	1	13 18 30.15	.77	10	3.150				
433	Lacaille 5518 ...	7	13 19 20.85	.30	3	4.880	165 54 49.26	.30	3	18.87
434	Lacaille 5516 ...	6.7	13 20 10.96	.35	3	5.431	169 0 10.26	.35	3	18.84
435	Lacaille 5520 ...	7	13 20 56.39	.41	4	5.328	168 25 4.33	.41	4	18.82
436	Lacaille 5541 ...	6.7	13 22 17.53	.32	3	5.092	166 54 30.49	.32	3	18.78
437	Lacaille 5577 ...	6.7	13 28 23.73	.30	3	4.954	165 2 5.12	.30	3	18.58
438	τ Boötis	5.4	13 41 13.69	.31	1	2.886				
439	Lacaille 5691 ...	6.7	13 52 45.77	.33	3	9.019	173 56 13.88	.33	3	17.68
440	Lacaille 5757 ...	5	13 53 1.74	.39	3	5.646	166 10 55.45	.39	3	17.67
441	Lacaille 5736 ... Lacaille 5736 S.P.	7	13 53 8.06	.51	3	6.722	170 9 9.42 9.00	.49 .57	2 1	17.66
442	τ Virginis	4	13 55 11.03	.50	2	3.049				
443	Lacaille 5792 ...	5	14 2 26.03	.44	4	7.101	170 24 34.26	.45	3	17.26
444	Lacaille 5816 ... Lacaille 5816 S.P.	6.7	14 3 37.56	.52	3	6.063	167 4 6.13 4.86	.49 .59	2 1	17.21
445	*	7.8	14 3 46.10	.49	1	6.070	167 5 7.36	.49	1	17.20
446	Lacaille 5830 ...	7.6	14 5 9.34	.52	3	5.756	165 29 39.68	.52	3	17.14
447	Lacaille 5801 ...	5	14 5 50.75	.50	3	8.207	172 15 36.80	.50	3	17.11
448	δ Octantis or Lacaille 5802 δ Octantis or Lac. 5802 S.P.	5	14 6 50.33	.45	5	8.864	173 4 57.85 56.79	.39 .56	3 1	+ 17.06
449	Lacaille 5828 ...	5.6	14 7 9.39	.51	3	6.880	169 31 12.31	.51	3	+ 17.05
450	α Boötis	1	14 9 52.08	.74	6	+ 2.734				

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			h m s			s	° ' "			"
451	Lacaille 5876 ...	7.6	14 13 46.35	.50	3	+6.015	165 56 28.07	.50	3	+16.74
452	Lacaille 5864 ...	7.8	14 13 50.76	.51	3	7.063	169 31 38.11	.51	3	16.73
453	Lacaille 5835 ...	7	14 14 1.51	.42	3	9.630	173 34 42.83	.42	3	16.72
454	Lacaille 5885 ...	7	14 16 16.82	.54	4	6.111	166 9 15.14	.54	3	16.61
455	Lacaille 5884 ...	6.7	14 18 3.01	.53	3	7.115	169 23 10.81	.53	3	16.53
456	Lacaille 5902 ...	6.7	14 18 37.31	.50	3	6.056	165 42 14.71	.50	3	16.50
457	Lacaille 5924 ...	7	14 21 6.37	.54	3	6.301	166 32 53.77	.54	3	16.37
458	ρ Boötis	4.3	14 26 21.37	.52	2	2.587				
459	Lacaille 5957 ...	6	14 27 59.61	.50	3	6.413	166 27 33.83	.50	3	16.02
460	Z Octantis	6.7	14 28 26.69	.56	18	22.400	177 37 25.09	.53	21	16.03
	Z Octantis S.P. ...						25.16	.78	14	
461	Lacaille 5980 ...	4.5	14 32 11.96	.51	3	7.124	168 30 9.90	.51	3	15.79
462	ϵ^2 Boötis	2.3	14 39 26.48	.38	1	2.619				
463	Lacaille 6036 ...	7	14 39 45.93	.52	3	7.238	168 21 23.44	.52	3	15.38
464	Lacaille 6009 ...	7	14 40 57.53	.50	2	9.972	172 52 0.20	.50	2	15.31
465	Lacaille 6019 ...	6.7	14 42 47.38	.51	1	9.623	172 25 8.47	.51	1	15.20
466	B.A.C. 4883 or Brisbane 5046.	6	14 42 55.48	.55	4	9.721	172 31 27.38	.55	3	15.20
467	Lacaille 6077 ...	5.6	14 43 29.58	.52	3	6.619	166 8 31.93	.52	3	15.17
468	α^2 Libræ	2.3	14 43 51.28	.39	3	3.309				
469	Lacaille 6006 ...	6.7	14 43 57.29	.56	3	11.829	174 16 55.17	.56	3	15.14
470	Lacaille 6030 ...	7	14 45 18.15	.54	3	10.706	173 24 12.22	.54	3	15.06
471	ξ^2 Libræ	6	14 49 52.81	.54	1	3.246				
472	Lacaille 6126 ...	7	14 53 4.55	.48	3	7.839	169 6 58.78	.48	3	14.60
473	Lacaille 6169 ...	7.6	14 55 58.74	.50	3	6.530	164 58 4.49	.50	3	14.43
474	ψ Boötis	4.5	14 59 0.16	.54	5	2.570				
475	Lacaille 6194 ...	7	15 2 2.50	.50	3	7.557	167 59 42.53	.50	3	14.06
476	ι^1 Libræ	5.4	15 4 59.11	.53	1	3.410				
477	Lacaille 6254 ...	7	15 9 42.22	.50	3	7.040	166 3 48.05	.50	3	13.57
478	β Libræ	2	15 10 10.42	.53	4	3.218				
479	Lacaille 6269 ...	7	15 13 54.24	.55	4	7.907	168 18 7.19	.55	4	13.29
480	Lacaille 6216 ...	6.5	15 14 21.87	.50	3	+12.668	174 2 4.78	.50	3	+13.27

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			h m s			s	° ' "			"
481	Lacaille 6300 ...	7	15 18 9.86	0.50	3	+8.139	168 38 53.76	0.50	3	+13.01
482	Lacaille 6311 ...	7.8	15 19 35.34	.54	3	8.072	168 26 29.70	.54	3	12.92
483	Lacaille 6339 ...	7	15 21 56.47	.50	3	7.844	167 48 15.22	.50	3	12.76
484	Lacaille 6348 ...	6	15 22 31.67	.52	3	7.729	167.29 6.74	.52	3	12.72
485	Tempel's Comet * (3) S.P.	9	15 25 7.07	.02	1	11.497	172 56 57.42	.02	1	12.55
486	α Coronæ Borealis	2	15 29 18.61	.51	4	2.539				
487	Lacaille 6411 ...	7	15 33 53.84	.50	3	8.603	169 0 22.38	.50	3	11.94
488	Lacaille 6435 ...	7	15 36 21.58	.51	3	8.066	167 45 57.46	.51	3	11.76
489	α Serpentis	2.3	15 38 0.77	.58	1	2.951				
490	Tuttle's Comet * (9) S.P.	9.10	15 40 29.45	.02	1	8.305	168 10 14.87	.02	1	11.47
491	Lacaille 6404 ...	7	15 40 57.71	.54	3	13.291	173 51 54.97	.54	3	11.38
492	Lacaille 6484 ...	6	15 42 18.73	.51	3	8.108	167 38 51.82	.51	3	11.34
493	ε Serpentis	3.4	15 44 29.21	.48	1	2.977				
494	Lacaille 6513 ...	7	15 45 25.18	.52	3	7.299	165 14 52.90	.52	3	11.11
495	Lacaille 6527 ...	7	15 48 18.05	.54	3	7.885	166 52 28.65	.54	3	10.90
496	γ Serpentis	4.3	15 50 35.25	.51	2	2.746				
497	Lacaille 6554 ...	7	15 50 51.03	.55	3	7.572	165 53 57.16	.52	3	10.71
498	Lacaille 6549 ...	7.6	15 51 0.10	.51	3	7.944	166 56 1.78	.51	3	10.70
499	Lacaille 6604 ...	7	15 56 38.66	.52	3	7.342	164 57 2.18	.52	3	10.28
500	β ¹ Scorpii.....	2	15 58 3.29	.51	4	3.477				
501	Lacaille 6623 ...	5	16 1 27.03	.49	3	8.719	168 22 13.81	.49	3	9.92
502	Lacaille 6628 ...	6.5	16 1 34.45	.50	3	8.706	168 20 33.66	.50	3	9.91
503	Lacaille 6603 ...	7	16 3 39.36	.54	4	11.031	171 38 55.54	.54	3	9.75
504	Lacaille 6688 ...	7.6	16 6 22.28	.50	3	7.672	165 39 37.94	.50	3	9.54
505	δ Ophiuchi	3	16 7 41.48	.53	5	3.136				
506	Lacaille 6762 ...	7	16 16 23.26	.49	3	7.779	165 39 55.59	.49	3	8.76
507	α Scorpii	1.2	16 21 37.23	.60	4	3.668				
508	Lacaille 6808 ... 6811 ...	7	16 22 38.67	.52	3	7.689	165 13 12.47	.52	3	8.19
509	Lacaille 6791 ... Lacaille 6791 S.P.	7.6	16 22 59.07	.28	4	9.207	168 45 43.51 42.05	.51 .06	2 2	+8.24
510	ζ Ophiuchi	3.2	16 30 10.09	.52	1	+3.296				

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			^h ^m ^s			^s	[°] ['] ["]			["]
511	ζ Herculis	3.2	16 36 29.93	0.53	3	+2.263				
512	B.A.C. 5626 ...	6	16 41 41	153 3 17.52	0.49	1	+6.72
513	Lacaille 6948 S.P.	7	16 43 28.98	0.02	2	8.141	166 0 27.59	0.02	2	6.57
514	Lacaille 6939 ... Lacaille 6939 S.P.	7	16 44 18.21	0.19	3	8.962	167 52 40.80 39.52	0.50 0.04	1 2	6.50
515	Lacaille 6992 ...	7.6	16 49 45.59	0.51	2	8.198	166 2 2.27	0.51	2	6.05
516	κ Ophiuchi	3.4	16 51 39.47	0.55	2	2.834				
517	Lacaille 7020 ...	7	16 52 43.87	0.48	1	7.811	164 53 4.47	0.48	1	5.80
518	Lacaille 7028 ...	7	16 53 20.30	0.52	3	7.920	165 11 58.85	0.52	3	5.75
519	Lacaille 7018 ...	7	16 55 29.10	0.50	2	9.238	168 13 55.89	0.50	1	5.57
520	η Ophiuchi	2.3	17 3 5.74	0.54	2	3.434				
521	B.A.C. 5783 ...	6	17 4 28.	..	..	..	156 47 45.63	0.49	1	4.82
522	Lacaille 7088 ... Lacaille 7088 S.P.	6	17 7 45.44	0.27	2	11.055	170 44 1.21 1.58	0.50 0.04	1 1	4.53
523	α Herculis	Var.	17 8 51.42	0.52	5	2.731				
524	Lacaille 7105 ...	7	17 10 32.98	0.50	1	11.275	170 57 13.55	0.50	1	4.29
525	θ Ophiuchi	3.4	17 14 12.64	0.54	6	3.677				
526	44 Ophiuchi ...	5	17 18 37.01	0.63	1	3.659				
527	σ Ophiuchi	5	17 20 12.88	0.52	1	2.974	85 44 51.94	0.53	1	3.46
528	α Ophiuchi	2	17 29 2.33	0.52	2	2.779				
529	Lacaille 7332 ...	7	17 33 4.15	0.50	1	8.398	166 0 2.09	0.50	1	2.35
530	B.A.C. 5965 ...	6	17 33 25	..	..	..	154 15 43.54	0.53	1	2.32
531	β Ophiuchi	3	17 37 12	..	..	..	85 22 38.27	0.49	1	1.99
532	Lacaille 7372 ...	6.7	17 39 43.11	0.52	2	8.471	166 8 35.91	0.52	2	1.77
533	Lacaille 7361 ... Lacaille 7361 S.P.	6.7	17 39 45.11	0.28	2	9.228	167 47 31.11 34.88	0.51 0.04	1 1	1.77
534	Brisbane 6058 ...	6	17 39 59.87	0.50	1	35.601	177 39 20.29	0.50	1	1.75
535	μ Herculis	3.4	17 41 29.24	0.68	7	2.344				
536	89 Herculis	6	17 50 17.71	0.52	1	2.418				
537	Lacaille 7462 ...	6.7	17 51 26.05	0.54	3	8.095	165 6 16.24	0.54	3	0.76
538	Lacaille 7394 ...	7	17 52 22.69	0.54	3	13.256	172 31 28.95	0.54	3	0.67
539	Lacaille 7348 ...	6.5	17 52 43.24	0.51	2	16.748	174 25 9.64	0.51	2	0.64
540	Lacaille 7474 ..	7	17 53 21.21	0.58	3	+8.128	165 11 38.23	0.58	3	+0.58

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			h m s			s	° ' "			"
541	*.....	8	17 53 21' (6)	0.59	1	+8.128	165 11 51.82	0.59	1	+0.58
542	Lacaille 7473 ...	6.7	17 53 29.81	.58	3	8.387	165 53 19.16	.58	3	0.57
543	Lacaille 7489 ...	7	17 56 13.63	.60	3	8.266	165 33 56.24	.60	3	0.33
544	Lacaille 7486 ...	7	17 56 44.42	.50	1	8.906	167 5 35.46	.50	1	0.29
545	Lacaille 7511 ...	7	17 56 58.70	.58	2	8.721	166 41 8.24	.58	2	0.27
546	Lacaille 7466 ...	7	17 57 24.40	.54	3	10.866	170 15 58.87	.54	3	0.23
547	*.....	6.7	17 58 52.53	.57	1	8.723	166 41 23.93	.57	1	0.10
548	Brisbane 6229 S.P.	7	17 59 43.45	.17	2	23.572	176 16 6.19	.16	1	0.02
549	Lacaille 7515 ...	7	18 3 50.38	.49	1	10.633	169 58 23.89	.49	1	-0.34
550	Lacaille 7539 ...	7.6	18 5 31.77	.54	3	10.158	169 19 7.81	.54	3	0.48
551	Lacaille 7525 ...	6	18 6 24.77	.50	1	10.879	170 17 8.83	.50	1	0.56
552	Lacaille 7559 ...	6.5	18 6 30.70	.57	3	8.092	165 5 30.93	.57	3	0.57
553	Lacaille 7569 ...	7.6	18 9 27.58	.56	4	9.060	167 25 22.37	.56	4	0.83
554	σ Octantis	5.6	18 11 47.99	.69	8	109.060	179 16 40.51	.67	26	1.09
	σ Octantis S.P. ...						40.81	.48	5	
555	η Serpentis	3	18 14 44.30	.52	2	3.140				
556	Lacaille 7562 ...	6.7	18 16 6.62	.50	1	12.440	171 53 50.91	.50	1	1.41
557	Lacaille 7548 ...	7	18 19 38.59	.50	1	15.086	173 40 20.70	.50	1	1.71
558	λ Sagittarii	3	18 20 7.92	.49	2	3.707				
559	Lacaille 7573 ...	7	18 21 25.03	.54	3	14.628	173 25 44.43	.54	3	1.87
560	Lacaille 7664 ...	7.6	18 23 13.67	.57	2	9.422	168 10 7.28	.57	2	2.03
561	Lacaille 7615 ...	7	18 27 16.65	.54	1	14.822	173 33 11.28	.54	1	2.38
562	Lacaille 7612 ...	7	18 29 18.32	.55	3	15.861	174 4 48.93	.55	3	2.56
563	α Lyræ	1	18 32 38.27	.58	2	2.030				
564	β ¹ Lyræ	Var.	18 45 23.42	.65	13	2.212				
565	Lacaille 7751 ...	7	18 52 31.10	.18	9	17.755	174 55 58.09	.50	1	
	Lacaille 7751 S.P.						56.65	.14	8	4.56
566	Lacaille 7884 ...	7.6	18 53 52.85	.52	2	9.220	168 3 29.42	.52	2	4.67
567	Lacaille 7906 ...	7	18 55 57.06	.53	2	8.804	167 14 49.98	.53	2	-4.85
568	ζ Aquilæ	3	18 59 34.36	.61	7	2.752				
569	π Sagittarii	3.1	19 2 12.58	.55	2	3.573				
570	ω Aquilæ	6.5	19 11 51.27	.64	5	+2.814				

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			h m s			s	° ' "			"
571	δ Aquilæ	3.4	19 19 57.71	0.67	3	+3.023				
572	λ^2 Sagittarii	5.4	19 28 58.61	.58	1	3.655				
573	γ Aquilæ	3	19 40 13.29	.66	5	2.853				
574	Lacaille 8179 ...	7	19 44 13.86	.76	1	9.350	169 10 5.21	0.76	1	-8.81
575	α Aquilæ	1.2	19 44 35.17	.39	14	2.928				
576	Lacaille 8181 ...	7	19 44 47.47	.77	3	9.311	169 7 3.41	.77	3	8.86
577	Lacaille 8212 ...	7.6	19 45 54.68	.58	3	7.570	165 6 3.56	.58	3	8.94
578	β Aquilæ	4	19 49 4.47	.68	7	2.947				
579	α Cygni	5.6	19 51 19.51	.75	1	2.143	51 51 0.10	.76	2	9.36
580	Lacaille 8252 ...	6.7	19 52 55.79	.56	1	7.503	165 6 42.20	.56	1	9.49
581	ϵ Sagittarii	5	19 54 50.81	.77	1	3.698				
582	Lacaille 8202 ...	6	19 57 29.34	.58	3	13.616	173 41 40.87	.58	3	9.84
583	τ Aquilæ	6.5	19 57 56.18	.63	1	2.931				
584	Lacaille 8301 ...	6.7	20 3 48.77	.59	1	9.168	169 20 52.86	.59	1	10.32
585	Lacaille 8306 ...	7	20 4 57.40	.59	3	9.205	169 26 27.62	.59	3	10.40
586	Lacaille 8323 ...	7	20 8 25.17	.62	2	9.357	169 47 33.74	.62	2	10.68
587	Lacaille 8336 ...	7	20 8 57.97	.60	4	8.976	169 9 25.08	.60	4	10.70
588	Lacaille 8328 ...	7.6	20 10 34.36	.63	3	10.141	170 57 4.08	.63	3	10.82
589	α^2 Capricorni ...	3.4	20 11 0.37	.49	4	3.332				
590	Lacaille 8350 ...	7	20 11 30.36	.67	4	9.023	169 18 52.33	.67	4	10.89
591	Lacaille 8257 ...	6.7	20 11 54.58	.60	4	13.470	174 49 51.20	.60	4	10.92
592	Lacaille 8331 ...	6.5	20 11 58.83	.67	3	10.466	171 22 37.07	.67	3	10.92
593	*	8	20 15 5.27	.67	1	8.133	167 36 49.43	.67	1	11.15
594	*	8.9	20 15 8.09	.67	1	8.133	167 36 50.50	.67	1	11.15
595	Lacaille 8377 ...	7	20 15 42.36	.64	7	8.165	167 42 38.13	.64	7	11.19
596	ρ Capricorni	5	20 21 36.84	.59	9	3.425				
597	ϵ Delphini	4	20 27 8.70	.75	1	2.867				
598	*	8	20 27 11.48	.66	1	8.868	169 32 8.39	.66	1	12.01
599	Lacaille 8448 ...	7	20 27 15.29	.59	3	+7.211	165 29 54.03	.59	3	12.02
600	Lacaille 8420 ...	7	20 27 48.89	.60	1	9.648	170 46 26.45	.60	1	12.06
601	Lacaille 8425 ...	7	20 28 37.94	.63	3	9.309	170 18 15.01	.62	2	12.11
602	Lacaille 8446 ...	7	20 30 19.47	.68	4	8.735	169 24 10.69	.68	3	12.23
603	Lacaille 8434 ...	7	20 30 20.89	.62	1	9.469	170 35 20.62	.62	1	12.23
604	Lacaille 8493 ...	7	20 34 28.15	.62	3	7.356	166 17 30.63	.62	3	12.51
605	α Cygni	2.1	20 37 6.15	.63	2	+2.042	45 10 21.28	.75	1	-12.70

593 and 594 were observed by Lacaille as a single star—Lacaille 8376, 7 mag.

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			h m s			s	° ' "			"
606	Lacaille 8483 ...	7	20 38 48.43	0.59	1	+9.639	171 5 43.96	0.59	1	-12.81
607	ε Aquarii.....	4.3	20 40 48.01	.31	1	3.252				
608	Lacaille 8507 ...	7	20 44 59.08	.60	3	10.124	171 53 13.21	.60	3	10.22
609	μ Aquarii.....	5.4	20 45 48.20	.69	1	3.240				
610	*S.P.	7	20 46 29.14	.11	1	16.382	175 42 21.58	.11	1	13.32
611	Lacaille 8535 ...	6.7	20 47 28.60	.62	1	9.494	171 11 13.96	.62	1	13.39
612	Lacaille 8515 ...	7.6	20 47 42.79	.65	3	10.650	172 31 21.68	.65	3	13.40
613	Lacaille 8563 ...	7	20 48 29.37	.68	3	7.753	168 2 16.64	.68	3	13.45
614	32 Vulpeculæ ...	5.6	20 49 8.80	.73	1	2.554				
615	Lacaille 8570 ...	5	20 49 14.49	.61	1	7.533	167 30 17.42	.61	1	13.50
616	Lacaille 8528 ...	7	20 52 7.89	.70	3	12.032	173 46 30.49	.70	3	13.69
617	Lacaille 8580 ...	7	20 52 17.80	.65	3	8.488	169 46 39.01	.65	3	13.70
618	Lacaille 8614 ...	7	20 53 43.69	.71	3	7.110	166 28 48.64	.71	3	13.79
619	Lacaille 8615 ...	6	20 54 2.81	.65	3	7.179	166 42 55.54	.65	3	13.81
620	*	8	20 54 28.18	.74	2	13.762	174 49 36.73	.74	2	13.84
621	*	8	20 54 30.55	.74	2	13.762	174 49 36	.74	2	13.84
622	Lacaille 8511 ...	7	20 56 37.90	.73	1	13.594	174 47 30.14	.73	1	13.97
623	Lacaille 8592 ...	7	20 58 43.11	.68	3	10.519	172 43 33.67	.68	3	14.10
624	Lacaille 8618 ...	6.5	20 58 58.04	.62	2	8.951	170 51 44.28	.62	2	14.12
625	Lacaille 8569 ...	7	20 59 2.27	.69	3	11.715	173 43 53.02	.69	3	14.12
626	B Octantis	6	21 0 37.49	.37	9	97.430	179.25 57.13	.67	14	14.26
	B Octantis S.P....						56.87	.33	4	
627	Lacaille 8671 ...	6.7	21 4 21.30	.69	4	6.756	165 52 12.34	.69	4	14.45
628	Lacaille 8643 ...	7	21 4 26.93	.64	2	8.694	170 38 18.99	.64	2	14.46
629	ζ Cygni	3	21 7 31.81	.57	3	2.548				
630	Lacaille 8636 ...	7.6	21 9 24.54	.68	3	11.119	173 34 39.15	.68	3	14.75
631	α Equulei.....	4	21 9 28.53	.71	1	2.998				
632	Lacaille 8713 ...	6.7	21 10 42.69	.62	2	6.991	167 3 46.22	.62	2	14.83
633	Lacaille 8703 ...	7.6	21 11 49.44	.68	3	8.404	170 28 4.11	.68	3	14.89
634	Lacaille 8672 ...	7.6	21 12 54.89	.67	3	10.578	173 13 54.97	.67	3	14.96
635	Lacaille 8732 ...	7.6	21 16 26.74	.67	3	8.353	170 35 25.65	.67	3	15.16
636	Lacaille 8766 ...	7.6	21 17 22.54	.63	3	6.503	165 45 10.57	.63	3	15.21
637	Lacaille 8783 ...	6.7	21 22 55.78	.66	3	7.874	170 0 17.49	.65	2	15.53
638	β Aquarii	3	21 24 52.27	.57	11	3.161				
639	Lacaille 8751 ...	7	21 27 57.32	.69	3	11.684	174 32 21.86	.69	3	15.80
640	Lacaille 8720 S.P.	6.7	21 28 14.15	.25	2	+13.796	175 36 58.59	.25	2	-15.82

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			h m s			s	° ' "			"
641	Lacaille 8797 ...	7	21 30 18.16	0.58	3	+9.703	173 0 43.51	.71	2	-15.92
	Lacaille 8797 S.P.						41.62	.34	1	
642	B.A.C. 7521 ...	6	21 31 51.42	.76	1	2.107	50 9 25.03	.76	1	16.01
643	ε Pegasi	2.3	21 37 56.85	.66	12	2.948				
644	δ Capricorni.....	3	21 40 1.66	.77	1	3.303				
645	Lacaille 8885 ...	7	21 41 10.71	.66	3	6.630	167 55 29.80	.66	3	16.49
646	Lacaille 8879 ...	7.6	21 42 12.42	.69	3	7.503	170 18 56.35	.69	3	16.54
647	Lacaille 8909 ...	6.7	21 44 20.	.73	1	6.255	166 48 35.28	.73	1	16.64
648	B.A.C. 7614 ...	6	21 45 49.84	.81	1	2.158	51 3 29.70	.79	2	16.72
649	16 Pegasi.....	5.6	21 47 17.07	.72	5	2.727				
650	Lacaille 8942 ...	6.7	21 49 46.55	.65	2	6.020	166 17 2.99	.65	2	16.91
651	Lacaille 8946 ...	6.5	21 50 32.63	.68	3	6.105	166 43 25.04	.68	3	16.94
652	Lacaille 8991 ...	6.7	21 58 37.36	.68	2	5.886	166 30 2.00	.69	2	17.31
654	α Aquarii.....	3	21 59 15.59	.69	4	3.080	90 56 9.95	.73	2	17.32
655	Lacaille 8996 ...	7.6	21 59 50.72	.69	3	5.911	166 44 11.02	.69	3	17.36
656	Lacaille 9022 ...	6	22 5 23.53	.57	3	6.125	168 8 30.73	.69	2	17.60
	Lacaille 9022 S.P.						30.32	.34	1	
657	Lacaille 9010 ...	6	22 5 38.27	.68	4	7.143	171 4 11.40	.68	4	17.61
658	C Octantis	6	22 6 37.13	.45	11	13.730	176 36 35.71	.69	9	17.75
	C Octantis S.P.						35.40	.29	7	
659	Lacaille 8998 ...	7	22 8 8.54	.71	3	9.196	174 9 14.45	.71	3	17.71
660	Lacaille 9055 ...	7	22 9 57.34	.70	3	5.478	165 36 10.40	.70	3	17.79
661	θ Aquarii.....	4.5	22 10 7.86	.70	2	3.169				
662	Lacaille 9049 ...	7.8	22 11 0.25	.71	3	6.490	169 50 43.50	.71	3	17.83
663	Lacaille 9085 ...	7	22 15 23.39	.68	3	5.932	168 21 27.18	.68	3	18.00
664	Lacaille 9095 S.P.	6.7	22 17 39.23	.31	1	6.017	168 51 30.86	.31	1	18.08
665	Lacaille 9105 ...	7	22 23 39.38	.68	1	7.838	173 28 6.74	.68	1	18.31
666	σ Aquarii.....	5.4	22 23 55.48	.72	2	3.182				
667	Lacaille 9102 ...	6.7	22 23 59.88	.69	3	8.165	173 54 24.79	.69	3	18.31
668	B.A.C. 7841 ...	5	22 24 23	..	..	..	152 38 0.83	.78	1	18.34
669	6 Lacertæ	5	22 25 0.53	.79	1	2.579	47 31 47.37	.79	1	18.35
670	η Aquarii.....	4.3	22 28 49.77	.72	8	3.082				
671	Lacaille 9123 ...	7	22 29 30.18	.71	2	8.322	174 24 13.77	.71	2	18.51
672	Lacaille 9165 ...	5	22 32 55	..	..	..	172 2 45.08	.72	1	18.63
673	11 Lacertæ	5	22 33 13.04	.81	1	2.610	46 20 56.85	.81	1	18.69
674	Lacaille 9191 ...	7	22 34 11.07	.53	2	4.961	165 29 2.27	.68	1	-18.67
	Lacaille 9191 S.P.						0.82	.38	1	
675	ζ Pegasi	3.4	22 35 7.70	.78	2	+2.986				

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			h m s			s	° ' "			"
676	Lacaille 9202 ... Lacaille 9202 S.P.	6	22 38 24.23	0.58	3	+5.947	170 47 33.80 32.94	0.70 .33	2 1	-18.80
677	13 Lacertæ	6	22 38 25.79	.78	3	2.665	48 50 50.91	.78	3	18.74
678	B.A.C. 7948 ...	5.6	22 40 32.33	.76	1	2.635	46 7 23.84	.76	1	18.87
679	*	7	22 43 43.10	.70	1	4.765	165 31 17.84	.70	1	18.95
680	μ Pegasi	4	22 43 52.50	.71	1	2.878				
681	Lacaille 9273 ...	7	22 46 14.43	.71	1	4.728	165 40 14.33	.71	1	19.03
682	15 Lacertæ	6	22 46 18.51	.78	3	2.683	47 21 46.27	.78	3	19.04
683	Lacaille 9260 ...	7	22 49 30.96	.69	1	6.562	173 23 3.68	.69	1	19.11
684	α Piscis Australis	1.2	22 50 37.64	.42	18	3.327				
685	2 Andromedæ ...	6	22 56 45.86	.77	2	2.743	47 55 31.76	.77	2	19.30
686	α Pegasi	2	22 58 26.06	.62	12	2.983				
687	Lacaille 9355 S.P.	6	23 1 27.19	.36	2	5.360	171 36 2.41	.36	2	19.40
688	6 Andromedæ ...	6.7	23 4 35.39	.79	1	2.774	47 8 23.06	.79	1	19.48
689	7 Andromedæ ...	5	23 6 44.02	.77	1	2.721	41 17 16.59	.77	1	19.51
690	*	7.8	23 7 21.13	.70	1	5.014	171 5 7.96	.70	1	19.53
691	Lacaille 9389 ...	7	23 7 38.96	.71	1	4.811	170 7 33.67	.71	1	19.54
692	Lacaille 9392 ...	7	23 7 48.89	.71	2	5.003	171 7 4.94	.71	2	19.54
693	τ Octantis	6	23 7 53.12	.42	10	12.550	178 10 41.65 42.43	.86 .30	5 11	19.56
694	Lacaille 9399 ...	6	23 9 29.65	.71	3	4.759	170 9 59.07	.71	3	19.57
695	Lacaille 9408 ...	7	23 9 52.49	.73	3	4.171	165 12 32.03	.73	3	19.58
696	γ Piscium	4	23 10 34.81	.78	4	3.106				
697	Lacaille 9427 ... Lacaille 9427 S.P.	6.7	23 11 59.69	.59	3	4.215	166 19 43.01 41.54	.72 .33	2 1	19.62
698	κ Piscium	5.4	23 20 25.32	.80	7	3.075				
699	13 Andromedæ	6	23 21 0.50	.78	2	2.867	47 47 18.09	.78	2	19.77
700	Lacaille 9475 ... Lacaille 9475 S.P.	7	23 22 52.49	.52	2	4.520	171 31 45.13 44.01	.70 .33	1 1	19.79
701	ι Piscium	4.5	23 33 25.08	.78	4	3.084				
702	Lacaille 9546 ... Lacaille 9546 S.P.	7	23 35 36.70	.71	2	4.265	173 12 36.69 35.77	.71 .38	1 1	19.94
703	Lacaille 9563 S.P.	7	23 39 4.48	.33	3	4.360	174 34 4.50	.33	3	19.97
704	δ Sculptoris	4.5	23 42 18.41	.86	1	3.138				
705	Lacaille 9607 ...	6.5	23 44 34.39	.72	3	3.777	172 43 29.08	.72	3	20.01
706	Lacaille 9635 ...	7	23 47 50.36	.73	3	3.444	169 12 39.56	.73	3	-20.03
707	ω Piscium	4	23 52 47.41	.79	9	+3.078				

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 9727.....	+9° 4865	+7° 0709	+0° 4842	-9° 4759	-8° 9918	+9° 9895	-1° 3022	+7° 5844
Lacaille 9734.....	+9° 5554	+7° 4502	+0° 4795	-9° 5478	-8° 9456	+9° 9924	-1° 3022	+7° 8948
Lacaille 9752.....	+9° 5435	+7° 7925	+0° 4698	-9° 5355	-9° 0007	+9° 9919	-1° 3022	+8° 2490
Lacaille 9756.....	+9° 7337	+7° 9984	+0° 4585	-9° 7303	-8° 8553	+9° 9966	-1° 3022	+8° 2647
Lacaille 9764.....	+9° 6238	+8° 0233	+0° 4569	-9° 6182	-8° 9710	+9° 9943	-1° 3021	+8° 3994
Lacaille 15.....	+9° 4286	+7° 9751	+0° 4607	-9° 4147	-9° 1518	+9° 9859	-1° 3020	+8° 5463
Lacaille 29.....	+9° 6084	+8° 2521	+0° 4344	-9° 6024	-9° 0592	+9° 9937	-1° 3018	+8° 6433
Lacaille 39.....	+9° 5809	+8° 3123	+0° 4260	-9° 5742	-9° 1098	+9° 9926	-1° 3016	+8° 7307
Lacaille 57.....	+9° 5025	+8° 3132	+0° 4263	-9° 4928	-9° 1871	+9° 9894	-1° 3013	+8° 8098
Lacaille 64.....	+9° 5097	+8° 3552	+0° 4195	-9° 5003	-9° 1977	+9° 9896	-1° 3012	+8° 8445
Lacaille 76.....	+9° 4848	+8° 3772	+0° 4159	-9° 4743	-9° 2314	+9° 9881	-1° 3009	+8° 8910
Lacaille 113.....	+9° 7912	+8° 7939	+0° 2628	-9° 7887	-9° 1646	+9° 9953	-1° 3000	+9° 0005
Lacaille 281.....	+9° 4678	+8° 8462	+0° 2304	-9° 4570	-9° 5086	+9° 9771	-1° 2902	+9° 3663
Lacaille 313.....	+9° 4996	+8° 9242	+0° 1533	-9° 4903	-9° 5315	+9° 9759	-1° 2874	+9° 4098
Lacaille 322.....	+9° 5264	+8° 9704	+0° 0910	-9° 5183	-9° 5389	+9° 9758	-1° 2861	+9° 4279
Lacaille 324.....	+9° 4991	+8° 9470	+0° 1252	-9° 4900	-9° 5474	+9° 9744	-1° 2858	+9° 4314
Lacaille 342.....	+9° 7831	+9° 2374	-9° 5711	-9° 7807	-9° 5025	+9° 9806	-1° 2853	+9° 4374
Lacaille 350.....	+9° 6800	+9° 517	+9° 4040	-9° 6761	-9° 5308	+9° 9778	-1° 2840	+9° 4535
Lacaille 360.....	+9° 8062	+9° 2789	-9° 8574	-9° 8040	-9° 5139	+9° 9795	-1° 2839	+9° 4543
Lacaille 420.....	+9° 6670	+9° 2083	-9° 1396	-9° 6629	-9° 5847	+9° 9712	-1° 2774	+9° 5166
Lacaille 429.....	+9° 4531	+9° 0210	+0° 0083	-9° 4423	-9° 6374	+9° 9614	-1° 2744	+9° 5401
Lacaille 461.....	+9° 5784	+9° 1667	+9° 2253	-9° 5725	-9° 6311	+9° 9637	-1° 2718	+9° 5579
Lacaille 471.....	+9° 5394	+9° 1400	+9° 5418	-9° 5323	-9° 6454	+9° 9609	-1° 2702	+9° 5686
Lacaille 505.....	+9° 5125	+9° 1447	+9° 5101	-9° 5046	-9° 6709	+9° 9555	-1° 2656	+9° 5956
Lacaille 510.....	+9° 5728	+9° 2070	-9° 0561	-9° 5669	-9° 6639	+9° 9572	-1° 2653	+9° 5972
Lacaille 521.....	+9° 4203	+9° 0772	+9° 8699	-9° 4084	-9° 7009	+9° 9475	-1° 2616	+9° 6163
Lacaille 517.....	+9° 3882	+9° 0463	+9° 9595	-9° 3744	-9° 7067	+9° 9453	-1° 2614	+9° 6172
Lacaille 534.....	+9° 4256	+9° 0918	+9° 8191	-9° 4141	-9° 7060	+9° 9462	-1° 2600	+9° 6239
Lacaille 533.....	+9° 4072	+9° 0739	+9° 8820	-9° 3947	-9° 7091	+9° 9451	-1° 2599	+9° 6243
Lacaille 551.....	+9° 5314	+9° 2064	-9° 0090	-9° 5244	-9° 6971	+9° 9492	-1° 2584	+9° 6311
Lacaille 576.....	+9° 7342	+9° 4100	-0° 3118	-9° 7315	-9° 6757	+9° 9533	-1° 2582	+9° 6318
Lacaille 592.....	+9° 7516	+9° 4327	-0° 3670	-9° 7492	-9° 6779	+9° 9525	-1° 2573	+9° 6360
Lacaille 563.....	+9° 5634	+9° 2457	-9° 6135	-9° 5575	-9° 6980	+9° 9489	-1° 2570	+9° 6370
Lacaille 564.....	+9° 4588	+9° 1498	+9° 4809	-9° 4492	-9° 7171	+9° 9435	-1° 2554	+9° 6441
Lacaille 573.....	+9° 5536	+9° 2455	-9° 6107	-9° 5474	-9° 7057	+9° 9468	-1° 2552	+9° 6449

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>d'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 556	+9.3746	+9.0667	+9.9083	-9.3603	-9.7298	+9.9386	-1.2551	+9.6450
Lacaille 623	+9.7548	+9.4609	-0.4301	-9.7524	-9.6955	+9.9477	-1.2523	+9.6562
Lacaille 606	+9.5692	+9.2812	-9.8514	-9.5636	-9.7172	+9.9433	-1.2511	+9.6609
Lacaille 628	+9.6254	+9.3511	-0.1415	-9.6212	-9.7205	+9.9417	-1.2482	+9.6716
Lacaille 656	+9.4975	+9.2524	-9.6553	-9.4900	-9.7526	+9.9317	-1.2414	+9.6940
Lacaille 652	+9.3494	+9.1134	+9.7455	-9.3344	-9.7761	+9.9220	-1.2391	+9.7009
Lacaille 675	+9.4979	+9.2674	-9.7613	-9.4906	-9.7616	+9.9282	-1.2377	+9.7049
Lacaille 700	+9.6666	+9.4405	-0.3831	-9.6634	-9.7485	+9.9310	-1.2366	+9.7082
Lacaille 686	+9.4877	+9.2694	-9.7722	-9.4801	-9.7702	+9.9247	-1.2345	+9.7140
Lacaille 716	+9.6765	+9.4620	-0.4308	-9.6734	-9.7552	+9.9281	-1.2335	+9.7167
* $\left\{ \begin{array}{l} \text{R.A.} \\ 2^{\text{h}} 9^{\text{m}} 11^{\text{s}} \\ \text{N.P.D.} \\ 173^{\circ} 20' \end{array} \right.$	+9.6865	+9.4872	-0.4834	-9.6836	-9.7641	+9.9241	-1.2293	+9.7277
Lacaille 743	+9.6585	+9.4613	-0.4288	-9.6551	-9.7676	+9.9231	-1.2287	+9.7292
Lacaille 709	+9.4047	+9.2105	-9.0128	-9.3938	-9.7933	+9.9147	-1.2278	+9.7314
Lacaille 704	+9.3392	+9.1451	+9.5625	-9.3243	-9.8009	+9.9107	-1.2278	+9.7315
Lacaille 710	+9.3827	+9.1895	+8.7396	-9.3706	-9.7963	+9.9132	-1.2275	+9.7320
Lacaille 715	+9.3930	+9.2019	-8.5682	-9.3815	-9.7964	+9.9132	-1.2269	+9.7336
* $\left\{ \begin{array}{l} \text{R.A.} \\ 2^{\text{h}} 14^{\text{m}} 23^{\text{s}} \\ \text{N.P.D.} \\ 166^{\circ} 57' \end{array} \right.$	+9.3907	+9.2131	-9.0748	-9.3794	-9.8042	+9.9093	-1.2229	+9.7430
Lacaille 734	+9.3907	+9.2131	-9.0752	-9.3794	-9.8042	+9.9093	-1.2229	+9.7430
Lacaille 870	+9.6764	+9.5476	-0.5976	-9.6736	-9.8073	+9.9017	-1.2067	+9.7757
Lacaille 835	+9.3496	+9.2366	-9.4595	-9.3372	-9.8424	+9.8863	-1.2010	+9.7857
Lacaille 864	+9.3479	+9.2479	-9.5776	-9.3356	-9.8490	+9.8815	-1.1960	+9.7938
Lacaille 894	+9.4577	+9.3654	-0.1771	-9.4505	-9.8432	+9.8835	-1.1930	+9.7985
Lacaille 966	+9.6052	+9.5375	-0.5782	-9.6017	-9.8448	+9.8772	-1.1829	+9.8130
Lacaille 955	+9.3342	+9.2879	-9.8546	-9.3224	-9.8752	+9.8596	-1.1736	+9.8251
Lacaille 995	+9.3769	+9.3611	-0.1582	-9.3679	-9.8850	+9.8482	-1.1594	+9.8415
* $\left\{ \begin{array}{l} \text{R.A.} \\ 3^{\text{h}} 2^{\text{m}} 38^{\text{s}} \\ \text{N.P.D.} \\ 175^{\circ} 40' \end{array} \right.$	+9.7908	+9.8007	-0.9808	-9.7895	-9.8727	+9.8432	-1.1467	+9.8544
Lacaille 1090	+9.4943	+9.5208	-0.5451	-9.4896	-9.8943	+9.8311	-1.1381	+9.8623
Lacaille 1065	+9.3291	+9.3565	-0.1399	-9.3189	-9.9058	+9.8252	-1.1376	+9.8628
Lacaille 1140	+9.2135	+9.3010	-9.9047	-9.1986	-9.9345	+9.7864	-1.1036	+9.8889
Lacaille 1236	+9.6057	+9.6933	-0.8307	-9.6033	-9.9114	+9.7989	-1.1035	+9.8889

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 1185.....	+9.2680	+9.3740	-0.1915	-9.2571	-9.9364	+9.7792	-1.0923	+9.8961
Lacaille 1263.....	+9.5035	+9.6204	-0.7183	-9.4999	-9.9260	+9.7797	-1.0855	+9.9002
Lacaille 1222.....	+9.2875	+9.4098	-0.2940	-9.2780	-9.9399	+9.7704	-1.0821	+9.9021
Lacaille 1278.....	+9.5119	+9.6356	-0.7425	-9.5086	-9.9276	+9.7757	-1.0812	+9.9026
Lacaille 1281.....	+9.4047	+9.5443	-0.5874	-9.3994	-9.9379	+9.7634	-1.0708	+9.9083
Lacaille 1261.....	+9.1765	+9.3306	-0.0334	-9.1620	-9.9554	+9.7445	-1.0613	+9.9131
Lacaille 1279.....	+9.2004	+9.3607	-0.1448	-9.1876	-9.9554	+9.7421	-1.0571	+9.9152
Lacaille 1296.....	+9.2878	+9.4482	-0.3887	-9.2793	-9.9501	+9.7464	-1.0571	+9.9152
Lacaille 1307.....	+9.3162	+9.4797	-0.4592	-9.3089	-9.9493	+9.7454	-1.0550	+9.9162
Lacaille 1340.....	+9.3849	+9.5626	-0.6200	-9.3799	-9.9490	+9.7379	-1.0452	+9.9207
Lacaille 1319.....	+9.1419	+9.3325	-0.0380	-9.1267	-9.9659	+9.7186	-1.0361	+9.9245
Lacaille 1358.....	+9.3336	+9.5278	-0.5557	-9.3275	-9.9557	+9.7253	-1.0336	+9.9256
Lacaille 1334.....	+9.2046	+9.4015	-0.2683	-9.1935	-9.9636	+9.7184	-1.0317	+9.9263
Lacaille 1328.....	+9.1419	+9.3397	-0.0661	-9.1270	-9.9674	+9.7139	-1.0310	+9.9266
<div> <div>R.A.</div> <div>3^h 50^m 48^s</div> <div>N.P.D.</div> <div>166° 48'</div> </div>	+9.1932	+9.3925	-0.2427	-9.1816	-9.9648	+9.7161	-1.0299	+9.9270
Lacaille 1343.....	+9.1939	+9.3944	-0.2482	-9.1823	-9.9650	+9.7153	-1.0291	+9.9274
Lacaille 1353.....	+9.1683	+9.3787	-0.2006	-9.1557	-9.9685	+9.7071	-1.0220	+9.9301
Lacaille 1471.....	+9.5403	+9.7764	-0.9472	-9.5383	-9.9555	+9.6988	-1.0031	+9.9369
Lacaille 1396.....	+9.1631	+9.4062	-0.2796	-9.1516	-9.9750	+9.6841	-0.9978	+9.9387
Lacaille 1444.....	+9.2120	+9.4887	-0.4760	-9.2039	-9.9780	+9.6617	-0.9721	+9.9464
Lacaille 1530.....	+9.2739	+9.5857	-0.6588	-9.2686	-9.9801	+9.6366	-0.9441	+9.9536
Lacaille 1514.....	+9.1963	+9.5108	-0.5208	-9.1887	-9.9844	+9.6321	-0.9419	+9.9542
Lacaille 1575.....	+9.1737	+9.5393	-0.5752	-9.1668	-9.9915	+9.5906	-0.8997	+9.9630
Lacaille 1662.....	+9.3858	+9.7623	-0.9276	-9.3833	-9.9835	+9.5857	-0.8904	+9.9647
Lacaille 1584.....	+9.0854	+9.4708	-0.4357	-9.0757	-9.9979	+9.5710	-0.8829	+9.9661
Lacaille 1639.....	+9.2452	+9.6405	-0.7486	-9.2408	-9.9911	+9.5677	-0.8743	+9.9674
Lacaille 1724.....	+9.4246	+9.8337	-1.0230	-9.4228	-9.9856	+9.5584	-0.8624	+9.9693
Lacaille 1718.....	+9.3966	+9.8095	-0.9912	-9.3945	-9.9869	+9.5548	-0.8591	+9.9698
Lacaille 1707.....	+9.2940	+9.7200	-0.8680	-9.2909	-9.9918	+9.5423	-0.8477	+9.9714
Lacaille 1645.....	+9.0839	+9.5106	-0.5192	-9.0756	-0.0011	+9.5365	-0.8470	+9.9715

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 1676.....	+9.0142	+9.4780	-0.4507	-9.0044	-0.0068	+9.5021	-0.8141	+9.9758
Lacaille 1703.....	+9.0773	+9.5479	-0.5905	-9.0703	-0.0040	+9.4987	-0.8080	+9.9764
Lacaille 1816.....	+9.2369	+9.7672	-0.9340	-9.2343	-0.0004	+9.4490	-0.7539	+9.9819
Lacaille 1768.....	+9.0233	+9.5679	-0.6263	-9.0167	-0.0096	+9.4318	-0.7407	+9.9830
Lacaille 1752.....	+8.8357	+9.3990	-0.2517	-8.8209	-0.0186	+9.4063	-0.7233	+9.9844
Lacaille 1782.....	+8.9326	+9.5032	-0.5031	-8.9236	-0.0143	+9.4052	-0.7165	+9.9849
Lacaille 1784.....	+8.9414	+9.5127	-0.5224	-8.9328	-0.0139	+9.4049	-0.7158	+9.9849
Lacaille 1812.....	+8.8939	+9.5067	-0.5101	-8.8848	-0.0166	+9.3656	-0.6768	+9.9875
Lacaille 1814.....	+8.8248	+9.4534	-0.3934	-8.8131	-0.0199	+9.3480	-0.6511	+9.9889
Lacaille 1835.....	+8.8678	+9.5077	-0.5120	-8.8587	-0.0179	+9.3399	-0.6768	+9.9875
Lacaille 1857.....	+8.8084	+9.4864	-0.4673	-8.7983	-0.0206	+9.3026	-0.6149	+9.9906
Lacaille 1921.....	+9.0213	+9.7071	-0.8488	-9.0177	-0.0115	+9.3016	-0.6074	+9.9910
Lacaille 1881.....	+8.7620	+9.4759	-0.4443	-8.7513	-0.0224	+9.2675	-0.5804	+9.9920
Lacaille 1935.....	+8.8437	+9.6020	-0.6848	-8.8377	-0.0183	+9.2292	-0.5374	+9.9935
Lacaille 1943.....	+8.8243	+9.5921	-0.6680	-8.8181	-0.0190	+9.2198	-0.5283	+9.9938
θ Pictoris	+8.2575	+9.0327	+0.1330	-8.1565	-0.0196	+9.1178	-0.5210	+9.9940
Lacaille 1989.....	+8.8479	+9.6579	-0.7748	-8.8433	-0.0173	+9.1803	-0.4871	+9.9949
Lacaille 1937.....	+8.6119	+9.4363	-0.3507	-8.5988	-0.0271	+9.1577	-0.4730	+9.9952
Lacaille 1953.....	+8.5799	+9.4096	-0.2799	-8.5651	-0.0284	+9.1508	-0.4679	+9.9953
Lacaille 2066.....	+8.9626	+9.7999	-0.9782	-8.9602	-0.0127	+9.1557	-0.4604	+9.9955
Lacaille 2050.....	+8.6975	+9.6334	-0.7361	-8.6923	-0.0205	+9.0561	-0.3635	+9.9971
γ Mensæ	+8.4559	+9.4513	-0.3872	-8.4436	-0.0290	+8.9901	-0.3046	+9.9978
Lacaille 2022.....	+8.4169	+9.4177	-0.3019	-8.4025	-0.0304	+8.9826	-0.2993	+9.9979
ι Mensæ	+8.3984	+9.5377	-0.5699	-8.3901	-0.0263	+8.8513	-0.1618	+9.9989
Lacaille 2125.....	+8.3759	+9.5822	-0.6508	-8.3692	-0.0246	+8.7862	-0.0951	+9.9992
Lacaille 2103.....	+8.1918	+9.4359	-0.3492	-8.1785	-0.0310	+8.7419	-0.0574	+9.9993
Lacaille 2138.....	+8.3519	+9.6084	-0.6953	-8.3460	-0.0237	+8.7369	-0.0451	+9.9993
Lacaille 2052.....	+7.7541	+9.0353	+0.1318	-7.6515	-0.0231	+8.6155	-0.0204	+9.9994
Lacaille 2171.....	+8.3676	+9.6623	-0.7815	-8.3629	-0.0216	+8.7001	-0.0069	+9.9994
Lacaille 2210.....	+7.4804	+9.5584	-0.6083	-7.4729	-0.0265	+7.9144	-9.2242	+0.0000
Lacaille 2209.....	+6.7084	+9.5281	-0.5514	-6.6997	-0.0278	+7.1717	-8.4825	+0.0000
Lacaille 2304.....	-8.2570	+9.4110	-0.2832	+8.2420	-0.0317	-8.8300	+0.1472	+9.9989
Lacaille 2316.....	-8.3247	+9.4729	-0.4369	+8.3135	-0.0291	-8.8396	+0.1530	+9.9989
Lacaille 2385.....	-8.5373	+9.6293	-0.7296	+8.5319	-0.0221	-8.9012	+0.2088	+9.9986
Lacaille 2403.....	-8.5944	+9.6764	-0.8030	+8.5901	-0.0202	-8.9123	+0.2188	+9.9985

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 2363.....	-8.4325	+9.4699	-0.4303	+8.4212	-0.0288	-8.9495	+0.2630	+9.9985
Lacaille 2426.....	-8.6556	+9.6784	-0.8060	+8.6513	-0.0196	-8.9710	+0.2775	+9.9981
Lacaille 2439.....	-8.6858	+9.6841	-0.8146	+8.6817	-0.0192	-8.9954	+0.3018	+9.9978
π^1 Doradus	-8.3043	+9.2857	-9.7514	+8.2770	-0.0347	-8.9890	+0.3185	+9.9977
Lacaille 2440.....	-8.6813	+9.6513	-0.7644	+8.6765	-0.0202	-9.0228	+0.3298	+9.9975
π^2 Doradus	-8.3449	+9.2790	-9.7005	+8.3168	-0.0343	-9.0348	+0.3651	+9.9971
Lacaille 2431.....	-8.6069	+9.5149	-0.5257	+8.5978	-0.0252	-9.0797	+0.3910	+9.9967
Lacaille 2442.....	-8.6428	+9.5395	-0.5735	+8.6347	-0.0239	-9.0918	+0.4021	+9.9965
Lacaille 2466.....	-8.6495	+9.4735	-0.4386	+8.6386	-0.0255	-9.1602	+0.4734	+9.9952
Lacaille 2502.....	-8.7345	+9.5304	-0.5563	+8.7262	-0.0224	-9.1904	+0.5009	+9.9945
Lacaille 2551.....	-8.8343	+9.5970	-0.6763	+8.8283	-0.0186	-9.2249	+0.5332	+9.9936
* $\left\{ \begin{array}{l} \text{R.A.} \\ 6^h 39^m 53^s \\ \text{N.P.D.} \\ 170^\circ 29' \end{array} \right.$	-8.8441	+9.5991	-0.6800	+8.8381	-0.0183	-9.2324	+0.5407	+9.9934
Lacaille 2527.....	-8.7338	+9.4843	-0.4626	+8.7235	-0.0232	-9.2324	+0.5449	+9.9933
Lacaille 2592.....	-8.8229	+9.5081	-0.5126	+8.8138	-0.0199	-9.2966	+0.6079	+9.9909
B Carinae	-8.3590	+9.0400	+0.1156	+8.2641	-0.0191	-9.2148	+0.6120	+9.9908
ζ Mensae or Lac. 2648.	-8.9547	+9.6037	-0.6879	+8.9489	-0.0142	-9.3345	+0.6425	+9.9893
Lacaille 2630.....	-8.8201	+9.4504	-0.3862	+8.8082	-0.0201	-9.3463	+0.6603	+9.9884
Lacaille 2658.....	-8.8884	+9.4904	-0.4762	+8.8786	-0.0168	-9.3751	+0.6870	+9.9868
Lacaille 2663.....	-8.8813	+9.4753	-0.4437	+8.8709	-0.0170	-9.3819	+0.6946	+9.9864
Lacaille 2724.....	-9.0276	+9.6108	-0.6997	+9.0221	-0.0103	-9.3970	+0.7047	+9.9857
Lacaille 2719.....	-8.9936	+9.5679	-0.6263	+8.9869	-0.0116	-9.4041	+0.7130	+9.9851
Lacaille 2689.....	-8.9062	+9.4772	-0.4479	+8.8960	-0.0155	-9.4037	+0.7162	+9.9849
Lacaille 2788.....	-9.1388	+9.7066	-0.8482	+9.1353	-0.0054	-9.4134	+0.7191	+9.9847
θ Mensae	-8.9967	+9.5351	-0.5662	+8.9890	-0.0106	-9.4364	+0.7463	+9.9825
Lacaille 2845.....	-9.2419	+9.7741	-0.9435	+9.2394	-0.0003	-9.4473	+0.7520	+9.9821
Lacaille 2794.....	-9.0661	+9.5950	-0.6735	+9.0603	-0.0072	-9.4471	+0.7551	+9.9818
Lacaille 2800.....	-8.9252	+9.4135	-0.2937	+8.9118	-0.0121	-9.4765	+0.7921	+9.9782
Lacaille 2799.....	-8.9045	+9.3916	-0.2310	+8.8896	-0.0130	-9.4762	+0.7933	+9.9781
Lacaille 2856.....	-9.0710	+9.5264	-0.5500	+9.0633	-0.0036	-9.5117	+0.8217	+9.9748
Lacaille 2936.....	-9.2943	+9.7478	-0.9073	+9.2916	-9.9939	-9.5184	+0.8234	+9.9746

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 2846.....	-8°9608	+9°4026	-0°2640	+8°9470	-0°0080	-9°5177	+0°8338	+9°9733
Lacaille 2891.....	-9°0551	+9°4802	-0°4558	+9°0457	-0°0024	-9°5368	+0°8485	+9°9713
Lacaille 2942.....	-9°1902	+9°5978	-0°6788	+9°1848	-9°9947	-9°5561	+0°8637	+9°9691
Lacaille 2948.....	-9°1169	+9°5064	-0°5111	+9°1088	-9°9966	-9°5689	+0°8793	+9°9666
Lacaille 2927.....	-9°0021	+9°3860	-0°2166	+8°9877	-0°0017	-9°5675	+0°8841	+9°9658
Lacaille 3096.....	-9°4127	+9°7851	-0°9587	+9°4105	-9°9821	-9°5895	+0°8939	+9°9641
ε Mensæ or Lac. 2993	-9°1310	+9°5002	-0°4985	+9°1227	-9°9940	-9°5861	+0°8966	+9°9636
Lacaille 3040.....	-9°1169	+9°4580	-0°4074	+9°1069	-9°9917	-9°6080	+0°9201	+9°9590
Lacaille 3029.....	-9°0833	+9°4241	-0°3248	+9°0717	-9°9934	-9°6065	+0°9204	+9°9589
Lacaille 3067.....	-9°1137	+9°4394	-0°3635	+9°1030	-9°9900	-9°6199	+0°9328	+9°9563
Lacaille 2990.....	-8°5059	+8°8192	+0°4017	+7°1252	-9°8859	-9°2600	+0°9429	+9°9539
Lacaille 3107.....	-9°1589	+9°4607	-0°4142	+9°1494	-9°9846	-9°6405	+0°9521	+9°9517
Lacaille 3069.....	-8°6720	+8°9579	+0°2286	+8°5517	-9°9805	-9°5422	+0°9648	+9°9484
Lacaille 3204.....	-9°3688	+9°6403	-0°7488	+9°3648	-9°9695	-9°6698	+0°9760	+9°9453
Lacaille 3214.....	-9°3593	+9°6256	-0°7254	+9°3551	-9°9689	-9°6737	+0°9801	+9°9441
Lacaille 3105.....	-8°6868	+8°9494	+0°2373	+8°5639	-9°9762	-9°5578	+0°9829	+9°9433
Lacaille 3226.....	-9°3473	+9°6030	-0°6885	+9°3427	-9°9676	-9°6814	+0°9883	+9°9417
Lacaille 3238.....	-9°3333	+9°5825	-0°6540	+9°3283	-9°9671	-9°6859	+0°9932	+9°9401
Lacaille 3245.....	-9°3190	+9°5618	-0°6178	+9°3135	-9°9666	-9°6902	+0°9980	+9°9386
Lacaille 3270.....	-9°2676	+9°4867	-0°4730	+9°2599	-9°9647	-9°7057	+1°0156	+9°9325
Lacaille 3281.....	-9°2556	+9°4654	-0°4268	+9°2472	-9°9634	-9°7118	+1°0224	+9°9300
Lacaille 3371.....	-9°4873	+9°6889	-0°8235	+9°4844	-9°9499	-9°7232	+1°0283	+9°9277
Lacaille 3332.....	-9°2573	+9°4393	-0°3669	+9°2482	-9°9572	-9°7309	+1°0422	+9°9219
Lacaille 3404.....	-9°3905	+9°5578	-0°6115	+9°3853	-9°9461	-9°7450	+1°0523	+9°9174
Lacaille 3415.....	-9°3006	+9°4527	-0°3995	+9°2924	-9°9473	-9°7522	+1°0626	+9°9125
α Chamæleontis...	-9°2196	+9°3673	-0°1676	+9°2075	-9°9511	-9°7512	+1°0656	+9°9110
θ Chamæleontis...	-9°2446	+9°3816	-0°2133	+9°2334	-9°9467	-9°7592	+1°0725	+9°9074
Lacaille 3440.....	-9°2735	+9°4105	-0°2953	+9°2638	-9°9449	-9°7607	+1°0726	+9°9073
Lacaille 3437.....	-9°2141	+9°3464	-0°0964	+9°2011	-9°9473	-9°7604	+1°0757	+9°9057
Lacaille 3464.....	-9°1925	+9°3091	-9°9414	+9°1773	-9°9444	-9°7682	+1°0857	+9°9001
Lacaille 3537.....	-9°3949	+9°5030	-0°5086	+9°3889	-9°9291	-9°7828	+1°0910	+9°8969
Lacaille 3523.....	-9°3170	+9°4182	-0°3171	+9°3082	-9°9318	-9°7842	+1°0953	+9°8943
Lacaille 3533.....	-9°2526	+9°3472	-0°1021	+9°2405	-9°9340	-9°7849	+1°0993	+9°8917
Lacaille 3563.....	-9°2623	+9°3439	-0°0910	+9°2503	-9°9293	-9°7929	+1°1072	+9°8864
Lacaille 3586.....	-9°3790	+9°4571	-0°4117	+9°3719	-9°9204	-9°7999	+1°1092	+9°8851

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 3576.....	-9.2579	+9.3328	-0.0491	+9.2453	-9.9274	-9.7963	+1.1111	+9.8837
Lacaille 3581.....	-9.3167	+9.3913	-0.2451	+9.3072	-9.9233	-9.7995	+1.1112	+9.8836
Lacaille 3653.....	-9.5038	+9.5643	-0.6244	+9.4997	-9.9068	-9.8130	+1.1194	+9.8776
Lacaille 3627.....	-9.3712	+9.4274	-0.3421	+9.3635	-9.9134	-9.8118	+1.1218	+9.8758
Lacaille 3623.....	-9.3448	+9.3996	-0.2690	+9.3359	-9.9146	-9.8116	+1.1226	+9.8752
Lacaille 3611.....	-9.2810	+9.3357	-0.0625	+9.2691	-9.9191	-9.8085	+1.1226	+9.8751
Lacaille 3630.....	-9.3489	+9.4018	-0.2755	+9.3402	-9.9137	-9.8128	+1.1237	+9.8743
Lacaille 3616.....	-9.2801	+9.3325	-0.0502	+9.2681	-9.9184	-9.8097	+1.1239	+9.8741
Lacaille 3644.....	-9.3526	+9.4001	-0.2712	+9.3439	-9.9115	-9.8158	+1.1267	+9.8720
Lacaille 3632.....	-9.2849	+9.3298	-0.0402	+9.2729	-9.9154	-9.8139	+1.1281	+9.8708
Lacaille 3669.....	-9.3754	+9.4113	-0.3019	+9.3674	-9.9056	-9.8228	+1.1330	+9.8667
Lacaille 3724.....	-9.2692	+9.2643	-9.6919	+9.2546	-9.8979	-9.8373	+1.1541	+9.8470
Lacaille 3778.....	-9.3053	+9.2763	-9.7820	+9.2923	-9.8851	-9.8505	+1.1657	+9.8345
Lacaille 3817.....	-9.3179	+9.2667	-9.7212	+9.3051	-9.8745	-9.8607	+1.1758	+9.8224
Lacaille 3840.....	-9.4115	+9.3578	-0.1501	+9.4032	-9.8655	-9.8664	+1.1769	+9.8210
Lacaille 3822.....	-9.2876	+9.2333	-9.3865	+9.2726	-9.8758	-9.8600	+1.1772	+9.8207
Lacaille 3882.....	-9.5456	+9.4891	-0.4842	+9.5411	-9.8543	-9.8715	+1.1781	+9.8194
Lacaille 3906.....	-9.5228	+9.4526	-0.4061	+9.5177	-9.8491	-9.8767	+1.1840	+9.8115
Lacaille 3955.....	-9.6361	+9.5582	-0.6157	+9.6330	-9.8376	-9.8819	+1.1872	+9.8071
Lacaille 3888.....	-9.3015	+9.2218	-9.2003	+9.2867	-9.8630	-9.8710	+1.1879	+9.8060
Lacaille 3898.....	-9.3612	+9.2808	-9.8195	+9.3501	-9.8573	-9.8749	+1.1882	+9.8056
Lacaille 3951.....	-9.4691	+9.3754	-0.2076	+9.4623	-9.8414	-9.8845	+1.1936	+9.7976
Lacaille 3941.....	-9.3759	+9.2797	-9.8152	+9.3651	-9.8483	-9.8816	+1.1945	+9.7961
Lacaille 3931.....	-9.3383	+9.2412	-9.5070	+9.3255	-9.8513	-9.8799	+1.1949	+9.7956
Lacaille 3933.....	-9.3105	+9.2117	-8.9299	+9.2959	-9.8532	-9.8787	+1.1956	+9.7945
Lacaille 3947.....	-9.3559	+9.2559	-9.6490	+9.3441	-9.8482	-9.8820	+1.1960	+9.7938
Lacaille 4009.....	-9.7050	+9.6036	-0.6932	+9.7026	-9.8210	-9.8920	+1.1966	+9.7929
Lacaille 3962.....	-9.4203	+9.3166	-0.0010	+9.4115	-9.8406	-9.8864	+1.1974	+9.7915
* $\left\{ \begin{array}{l} \text{R.A.} \\ 9^{\text{h}} \\ \text{N.P.D.} \\ 174^{\circ} 6' \end{array} \right.$	-9.7083	+9.6022	-0.6910	+9.7060	-9.8182	-9.8938	+1.1984	+9.7900
Lacaille 3981.....	-9.4915	+9.3832	-0.2314	+9.4852	-9.8321	-9.8907	+1.1992	+9.7886

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 4027.....	-9° 7103	+9° 6109	-0° 7051	+9° 7080	-9° 8256	-9° 8951	+1° 1996	+9° 7980
Lacaille 3982.....	-9° 4068	+9° 2869	-9° 8603	+9° 3972	-9° 8334	-9° 8917	+1° 2035	+9° 7813
Lacaille 4013.....	-9° 5394	+9° 4145	-0° 3169	+9° 5341	-9° 8194	-9° 8979	+1° 2053	+9° 7782
Lacaille 4019.....	-9° 5467	+9° 4205	-0° 3318	+9° 5416	-9° 8180	-9° 8984	+1° 2057	+9° 7773
Lacaille 4017.....	-9° 5183	+9° 3886	-0° 2480	+9° 5125	-9° 8185	-9° 8990	+1° 2070	+9° 7751
Lacaille 4041.....	-9° 5713	+9° 4355	-0° 3687	+9° 5667	-9° 8108	-9° 9024	+1° 2092	+9° 7712
Lacaille 4042.....	-9° 5430	+9° 4035	-0° 2889	+9° 5378	-9° 8110	-9° 9030	+1° 2105	+9° 7687
Lacaille 4048.....	-9° 5105	+9° 3656	-0° 1808	+9° 5043	-9° 8107	-9° 9039	+1° 2123	+9° 7652
Lacaille 4080.....	-9° 5526	+9° 3872	-0° 2456	+9° 5474	-9° 7954	-9° 9116	+1° 2191	+9° 7514
Lacaille 4064.....	-9° 3642	+9° 1938	+8° 4728	+9° 3514	-9° 8110	-9° 9056	+1° 2206	+9° 7480
Lacaille 4083.....	-9° 4633	+9° 2886	-9° 8772	+9° 4553	-9° 7982	-9° 9117	+1° 2220	+9° 7450
Lacaille 4081.....	-9° 3673	+9° 1870	+8° 8854	+9° 3546	-9° 8053	-9° 9087	+1° 2237	+9° 7411
Lacaille 4086.....	-9° 3397	+9° 1528	+9° 4996	+9° 3250	-9° 8048	-9° 9088	+1° 2257	+9° 7365
Lacaille 4125.....	-9° 6150	+9° 4272	-0° 3504	+9° 6110	-9° 7768	-9° 9197	+1° 2259	+9° 7359
Lacaille 4103.....	-9° 4208	+9° 2258	-9° 3481	+9° 4107	-9° 7911	-9° 9157	+1° 2280	+9° 7308
Lacaille 4122.....	-9° 5312	+9° 3345	-0° 0791	+9° 5251	-9° 7788	-9° 9203	+1° 2285	+9° 7296
Lacaille 4139.....	-9° 4911	+9° 2834	-9° 8540	+9° 4837	-9° 7762	-9° 9220	+1° 2316	+9° 7217
Lacaille 4195.....	-9° 5781	+9° 3394	-0° 0997	+9° 5730	-9° 7484	-9° 9325	+1° 2398	+9° 6989
Lacaille 4232.....	-9° 6011	+9° 3448	-0° 1194	+9° 5964	-9° 7348	-9° 9372	+1° 2441	+9° 6855
Lacaille 4226.....	-9° 4657	+9° 2022	-8° 7619	+9° 4568	-9° 7450	-9° 9346	+1° 2457	+9° 6801
Lacaille 4246 ...	-9° 5714	+9° 3039	-9° 9617	+9° 5660	-9° 7305	-9° 9390	+1° 2466	+9° 6769
Lacaille 4254 ...	-9° 6192	+9° 3500	-0° 1377	+9° 6148	-9° 7245	-9° 9404	+1° 2470	+9° 6756
Lacaille 4255 ...	-9° 3727	+9° 0844	+9° 8541	+9° 3585	-9° 7420	-9° 9348	+1° 2512	+9° 6606
Lacaille 4297 ...	-9° 7170	+9° 4269	-0° 3527	+9° 7141	-9° 7014	-9° 9465	+1° 2515	+9° 6593
Lacaille 4284 ...	-9° 4711	+9° 1698	+9° 2248	+9° 4621	-9° 7204	-9° 9426	+1° 2538	+9° 6504
Lacaille 4346 ...	-9° 6532	+9° 3176	-0° 0239	+9° 6492	-9° 6755	-9° 9541	+1° 2603	+9° 6224
Lacaille 4341 ...	-9° 5886	+9° 2494	-9° 6491	+9° 5832	-9° 6805	-9° 9533	+1° 2609	+9° 6195
Lacaille 4354 ...	-9° 4657	+9° 1102	+9° 7358	+9° 4560	-9° 6860	-9° 9517	+1° 2636	+9° 6060
Lacaille 4392 ...	-9° 5667	+9° 1903	+7° 8633	+9° 5606	-9° 6574	-9° 9585	+1° 2669	+9° 5883
Lacaille 4436 ...	-9° 7492	+9° 3649	-0° 1893	+9° 7466	-9° 6303	-9° 9632	+1° 2681	+9° 5815
Lacaille 4391 ...	-9° 3881	+9° 0013	+0° 0514	+9° 3738	-9° 6785	-9° 9519	+1° 2684	+9° 5795
* { R.A. 10h 31m 17s N.P.D. 170° 41'	-9° 5810	+9° 1913	-7° 3617	+9° 5752	-9° 6462	-9° 9608	+1° 2688	+9° 5769
Lacaille 4430 ...	-9° 6100	+9° 2135	-9° 2274	+9° 6050	-9° 6375	-9° 9625	+1° 2698	+9° 5711
Lacaille 4432 ...	-9° 5955	+9° 1975	-8° 6911	+9° 5901	-9° 6384	-9° 9623	+1° 2700	+9° 5698
Lacaille 4423 ...	-9° 5745	+9° 1758	+9° 0290	+9° 5685	-9° 6409	-9° 9619	+1° 2701	+9° 5693

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 4411 ...	-9° 3977	+8° 9983	+0° 0557	+9° 3840	-9° 6686	-9° 9542	+1° 2702	+9° 5685
Lacaille 4414 ...	-9° 3830	+8° 9817	+0° 0841	+9° 3682	-9° 6702	-9° 9535	+1° 2705	+9° 5670
Lacaille 4431 ...	-9° 5466	+9° 1450	+9° 4986	+9° 5398	-9° 6428	-9° 9614	+1° 2705	+9° 5667
Lacaille 4428 ...	-9° 4729	+9° 0685	+9° 8896	+9° 4632	-9° 6525	-9° 9590	+1° 2709	+9° 5643
Lacaille 4441 ...	-9° 3672	+8° 9502	+0° 1301	+9° 3511	-9° 6632	-9° 9542	+1° 2725	+9° 5533
Lacaille 4460 ...	-9° 5084	+9° 0861	+9° 8282	+9° 5002	-9° 6344	-9° 9627	+1° 2732	+9° 5486
Lacaille 4489 ...	-9° 5213	+9° 0795	+9° 8497	+9° 5134	-9° 6189	-9° 9654	+1° 2756	+9° 5315
Lacaille 4504 ...	-9° 6222	+9° 1692	+9° 1611	+9° 6172	-9° 5952	-9° 9696	+1° 2768	+9° 5216
♂ ¹ Chamæleontis	-9° 5514	+9° 0881	+9° 8158	+9° 5445	-9° 5989	-9° 9688	+1° 2779	+9° 5125
♂ ² Chamæleontis	-9° 5547	+9° 0882	+9° 8151	+9° 5479	-9° 5960	-9° 9692	+1° 2783	+9° 5095
Lacaille 4512 ...	-9° 4043	+8° 9276	+0° 1548	+9° 3904	-9° 6178	-9° 9631	+1° 2793	+9° 5004
Lacaille 4529 ...	-9° 4324	+8° 9436	+0° 1336	+9° 4202	-9° 6039	-9° 9660	+1° 2805	+9° 4894
Lacaille 4528 ...	-9° 3953	+8° 9050	+0° 1802	+9° 3806	-9° 6110	-9° 9638	+1° 2806	+9° 4881
Lacaille 4544 ...	-9° 5184	+9° 0147	+0° 0156	+9° 5102	-9° 5766	-9° 9714	+1° 2819	+9° 4759
Lacaille 4608 ...	-9° 6585	+9° 1062	+9° 7299	+9° 6542	-9° 5163	-9° 9792	+1° 2858	+9° 4312
Lacaille 4605 ...	-9° 6075	+9° 0526	+9° 9229	+9° 6020	-9° 5235	-9° 9782	+1° 2860	+9° 4288
Lacaille 4589 ...	-9° 3942	+8° 8386	+0° 2397	+9° 3791	-9° 5697	-9° 9687	+1° 2860	+9° 4282
* $\left\{ \begin{array}{l} \text{R.A.} \\ 10^h 59^m 1^s \\ \text{N.P.D.} \\ 164^\circ 55' \end{array} \right.$	-9° 3929	+8° 8275	+0° 2481	+9° 3777	-9° 5639	-9° 9693	+1° 2867	+9° 4191
η Octantis	-9° 7833	+9° 2103	-9° 2162	+9° 7808	-9° 4812	-9° 9826	+1° 2872	+9° 4121
Lacaille 4635 ...	-9° 6122	+9° 0311	+9° 9754	+9° 6067	-9° 5037	-9° 9801	+1° 2878	+9° 4044
Lacaille 4632	-9° 4097	+8° 8211	+0° 2520	+9° 3955	-9° 5449	-9° 9719	+1° 2883	+9° 3974
Lacaille 4698	-9° 7754	+9° 1432	+9° 4768	+9° 7728	-9° 4362	-9° 9859	+1° 2907	+9° 3563
Lacaille 4704	-9° 4563	+8° 7902	+0° 2713	+9° 4447	-9° 4832	-9° 9785	+1° 2924	+9° 3241
Lacaille 4720	-9° 4060	+8° 7086	+0° 3183	+9° 3912	-9° 4794	-9° 9766	+1° 2937	+9° 2940
Lacaille 4729	-9° 5338	+8° 8339	+0° 2379	+9° 5257	-9° 4395	-9° 9834	+1° 2938	+9° 2917
Lacaille 4742	-9° 4615	+8° 7328	+0° 3046	+9° 4501	-9° 4426	-9° 9811	+1° 2948	+9° 2639
Lacaille 4767	-9° 4941	+8° 7077	+0° 3164	+9° 4842	-9° 3967	-9° 9844	+1° 2965	+9° 2079
Lacaille 4811	-9° 7587	+8° 9176	+0° 1537	+9° 7558	-9° 2826	-9° 9926	+1° 2978	+9° 1544
π ¹ Chamæleontis..	-9° 4132	+8° 5016	+0° 3904	+9° 3985	-9° 3589	-9° 9821	+1° 2990	+9° 0851
Lacaille 4864	-9° 4487	+8° 4678	+0° 3979	+9° 4362	-9° 3084	-9° 9852	+1° 2999	+9° 0168

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 4873.....	-9.7000	+8.7099	+0.3124	+9.6962	-9.1995	-9.9939	+1.3000	+9.0077
Lacaille 4874.....	-9.5260	+8.5181	+0.3846	+9.5173	-9.2590	-9.9893	+1.3001	+8.9900
Lacaille 4880.....	-9.5729	+8.5468	+0.3760	+9.5660	-9.2286	-9.9911	+1.3003	+8.9720
Lacaille 4968.....	-9.4632	+8.0518	+0.4552	+9.4514	-9.1374	-9.9880	+1.3019	+8.5883
Lacaille 4974.....	-9.4889	+7.9516	+0.4619	+9.4785	-9.0869	-9.9894	+1.3021	+8.4626
Lacaille 4975.....	-9.4879	+7.9225	+0.4636	+9.4775	-9.0812	-9.9894	+1.3021	+8.4345
Lacaille 5004.....	-9.4346	+7.3211	+0.4817	+9.4211	-9.0561	-9.9865	+1.3022	+7.8865
Lacaille 5024.....	-9.5072	-6.7404	+0.4890	+9.4977	-8.9460	-9.9905	+1.3022	-7.2331
Lacaille 5038.....	-9.5086	-7.5132	+0.4964	+9.4992	-8.9019	-9.9905	+1.3022	-8.0046
Lacaille 5064.....	-9.5011	-7.9757	+0.5129	+9.4913	-8.7927	-9.9900	+1.3020	-8.4744
Lacaille 5085.....	-9.5278	-8.2070	+0.5301	+9.5191	-8.5900	-9.9909	+1.3017	-8.6787
Lacaille 5093.....	-9.4424	-8.1808	+0.5273	+9.4295	-8.7094	-9.9864	+1.3016	-8.7377
Lacaille 5105.....	-9.5567	-8.3343	+0.5438	+9.5491	-8.3296	-9.9917	+1.3015	-8.7768
Lacaille 5104.....	-9.5333	-8.3234	+0.5424	+9.5249	-8.3836	-9.9908	+1.3014	-8.7893
Lacaille 5124.....	-9.4549	-8.3229	+0.5419	+9.4427	-8.4720	-9.9867	+1.3011	-8.8669
Lacaille 5145.....	-9.7426	-8.6824	+0.6053	+9.7394	+8.5310	-9.9952	+1.3006	-8.9381
Lacaille 5171.....	-9.5441	-8.5651	+0.5793	+9.5362	+8.3077	-9.9897	+1.2999	-9.0186
Lacaille 5177.....	-9.4859	-8.5114	+0.5691	+9.4754	+7.9533	-9.9871	+1.2998	-9.0231
Lacaille 5217.....	-9.4175	-8.5475	+0.5748	+9.4032	+8.2954	-9.9818	+1.2983	-9.1261
Lacaille 5343.....	-9.5526	-8.9310	+0.6771	+9.5453	+9.1754	-9.9807	+1.2902	-9.3663
Lacaille 5339.....	-9.6827	-9.0661	+0.7313	+9.6788	+9.2416	-9.9837	+1.2899	-9.3711
Lacaille 5353.....	-9.6692	-9.0693	+0.7326	+9.6650	+9.2583	-9.9825	+1.2889	-9.3868
Lacaille 5369.....	-9.4836	-8.8978	+0.6648	+9.4736	+9.1863	-9.9759	+1.2881	-9.4001
Lacaille 5406.....	-9.4809	-8.9370	+0.6783	+9.4710	+9.2472	-9.9730	+1.2852	-9.4390
Lacaille 5424.....	-9.5362	-9.0179	+0.7098	+9.5286	+9.3108	-9.9733	+1.2831	-9.4626
Lacaille 5427.....	-9.4923	-8.9748	+0.6924	+9.4829	+9.2909	-9.9715	+1.2831	-9.4634
Lacaille 5518.....	-9.4110	-8.9683	+0.6884	+9.3978	+9.3494	-9.9602	+1.2757	-9.5307
Lacaille 5516.....	-9.5163	-9.0784	+0.7348	+9.5082	+9.4043	-9.9648	+1.2751	-9.5350
Lacaille 5520.....	-9.4935	-9.0600	+0.7266	+9.4846	+9.4007	-9.9634	+1.2746	-9.5388
Lacaille 5541.....	-9.4402	-9.0146	+0.7069	+9.4288	+9.3873	-9.9600	+1.2736	-9.5458
Lacaille 5577.....	-9.3787	-8.9873	+0.6949	+9.3638	+9.4004	-9.9519	+1.2691	-9.5755
Lacaille 5691.....	-9.7453	-9.4745	+0.9551	+9.7429	+9.6273	-9.9427	+1.2474	-9.6743

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 5757.....	-9.3907	-9.1211	+0.7517	+9.3779	+9.5516	-9.9321	+1.2471	-9.6753
Lacaille 5736.....	-9.5356	-9.2665	+0.8275	+9.5292	+9.5940	-9.9383	+1.2470	-9.6756
Lacaille 5792.....	-9.5370	-9.3090	+0.8514	+9.5309	+9.6332	-9.9287	+1.2371	-9.7069
Lacaille 5816.....	-9.4075	-9.1847	+0.7827	+9.3964	+9.6059	-9.9223	+1.2357	-9.7107
* $\left\{ \begin{array}{l} \text{R.A.} \\ 14^{\text{h}} 5^{\text{m}} 46^{\text{s}} \\ \text{N.P.D.} \\ 67^{\circ} 5' \end{array} \right.$	-9.4080	-9.1857	+0.7832	+9.3968	+9.6065	-9.9222	+1.2356	-9.7111
Lacaille 5830.....	-9.3569	-9.1406	+0.7601	+9.3428	+9.5957	-9.9177	+1.2340	-9.7155
Lacaille 5801.....	-9.6256	-9.4122	+0.9142	+9.6216	+9.6616	-9.9270	+1.2332	-9.7176
δ Octantis	-9.6730	-9.4638	+0.9476	+9.6698	+9.6716	-9.9266	+1.2320	-9.7206
Lacaille 5828.....	-9.4935	-9.2857	+0.8376	+9.4861	+9.6426	-9.9221	+1.2316	-9.7217
Lacaille 5876.....	-9.3598	-9.1797	+0.7792	+9.3466	+9.6327	-9.9082	+1.2236	-9.7413
Lacaille 5864.....	-9.4857	-9.3058	+0.8490	+9.4787	+9.6659	-9.9140	+1.2235	-9.7415
Lacaille 5835.....	-9.6964	-9.5173	+0.9836	+9.6936	+9.6990	-9.9183	+1.2233	-9.7420
Lacaille 5885.....	-9.3632	-9.1933	+0.7862	+9.3503	+9.6436	-9.9054	+1.2204	-9.7484
Lacaille 5884.....	-9.4746	-9.3119	+0.8522	+9.4671	+9.6785	-9.9084	+1.2182	-9.7533
Lacaille 5902.....	-9.3465	-9.1861	+0.7822	+9.3329	+9.6472	-9.9015	+1.2174	-9.7548
Lacaille 5924.....	-9.3691	-9.2188	+0.7994	+9.3570	+9.6635	-9.8998	+1.2141	-9.7616
Lacaille 5957.....	-9.3568	-9.2339	+0.8071	+9.3446	+9.6843	-9.8901	+1.2046	-9.7794
Lacaille 5980.....	-9.4206	-9.3142	+0.8527	+9.4118	+9.7139	-9.8874	+1.1985	-9.7898
Lacaille 6036.....	-9.4036	-9.3265	+0.8596	+9.3945	+9.7334	-9.8756	+1.1869	-9.8075
Lacaille 6009.....	-9.6127	-9.5400	+0.9988	+9.6093	+9.7686	-9.8794	+1.1850	-9.8101
Lacaille 6019.....	-9.5833	-9.5179	+0.9833	+9.5795	+9.7702	-9.8759	+1.1820	-9.8143
Brisbane 5046 ...	-9.5891	-9.5242	+0.9877	+9.5854	+9.7713	-9.8758	+1.1818	-9.8146
Lacaille 6077.....	-9.3232	-9.2604	+0.8208	+9.3103	+9.7254	-9.8658	+1.1808	-9.8159
Lacaille 6006.....	-9.7033	-9.6423	+1.0729	+9.7012	+9.7849	-9.8757	+1.1801	-9.8168
Lacaille 6030.....	-9.6393	-9.5834	+1.0296	+9.6364	+9.7825	-9.8727	+1.1779	-9.8198
Lacaille 6126.....	-9.4101	-9.3838	+0.8942	+9.4022	+9.7717	-9.8544	+1.1645	-9.8360
Lacaille 6194.....	-9.3515	-9.3592	+0.8784	+9.3419	+9.7836	-9.8360	+1.1478	-9.8533
Lacaille 6254	-9.2725	-9.3093	+0.8475	+9.2595	+9.7855	-9.8173	+1.1325	-9.8671
Lacaille 6269.....	-9.3384	-9.3912	+0.8980	+9.3292	+9.8097	-9.8123	+1.1237	-9.8743
Lacaille 6216.....	-9.6276	-9.6822	+1.1027	+9.6253	+9.8456	-9.8181	+1.1227	-9.8751
Lacaille 6300.....	-9.3420	-9.4111	+0.9106	+9.3334	+9.8199	-9.8036	+1.1144	-9.8813
Lacaille 6311.....	-9.3311	-9.4057	+0.9070	+9.3222	+9.8211	-9.8001	+1.1112	-9.8836
Lacaille 6339.....	-9.3029	-9.3864	+0.8946	+9.2929	+9.8211	-9.7939	+1.1060	-9.8873
Lacaille 6348.....	-9.2903	-9.3763	+0.8881	+9.2799	+9.8200	-9.7918	+1.1045	-9.8882
Lacaille 6411.....	-9.3182	-9.4486	+0.9346	+9.3101	+9.8489	-9.7666	+1.0769	-9.9050

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 6435.....	-9.2660	-9.4062	+0.9067	+9.2561	+9.8448	-9.7583	+1.0705	-9.9085
Lacaille 6404.....	-9.5510	-9.7097	+1.1236	+9.5485	+9.8868	-9.7535	+1.0582	-9.9147
Lacaille 6513.....	-9.1615	-9.3384	+0.8633	+9.1470	+9.8417	-9.7290	+1.0458	-9.9204
Lacaille 6554.....	-9.1648	-9.3642	+0.8792	+9.1516	+9.8538	-9.7144	+1.0299	-9.9271
Lacaille 6604.....	-9.1193	-9.3433	+0.8658	+9.1041	+9.8553	-9.6947	+1.0120	-9.9338
Lacaille 6623.....	-9.2136	-9.4586	+0.9404	+9.2046	+9.8830	-9.6852	+0.9964	-9.9391
Lacaille 6628.....	-9.2122	-9.4577	+0.9398	+9.2032	+9.8830	-9.6847	+0.9960	-9.9392
Lacaille 6603.....	-9.3485	-9.6033	+1.0426	+9.3439	+9.9040	-9.6821	+0.9889	-9.9415
Lacaille 6688.....	-9.1074	-9.3743	+0.8849	+9.0937	+9.8720	-9.6636	+0.9796	-9.9443
Lacaille 6762.....	-9.0705	-9.3842	+0.8909	+9.0568	+9.8832	-9.6266	+0.9426	-9.9540
Lacaille 7028.....	-8.8742	-9.3980	+0.8987	+8.8595	+9.9114	-9.4429	+0.7598	-9.9814
Lacaille 7332.....	-8.5093	-9.4372	+0.9242	+8.4963	+9.9338	-9.0560	+0.3713	-9.9970
Lacaille 7394.....	-8.2311	-9.7094	+1.1224	+8.2274	+9.9706	-8.5178	+9.8237	-9.9998
Lacaille 7474.....	-7.8790	-9.4163	+0.9100	+7.8643	+9.9322	-8.4479	+9.7648	-9.9998
Lacaille 7473.....	-7.8894	-9.4366	+0.9236	+7.8761	+9.9313	-8.4394	+9.7549	-9.9998
Lacaille 7489.....	-7.6429	-9.4272	+0.9173	+7.6290	+9.9346	-8.2017	+9.5179	-9.9999
Lacaille 7511.....	-7.5832	-9.4616	+0.9406	+7.5714	+9.9411	-8.1098	+9.4239	-0.0000
Lacaille 7466.....	-7.6476	-9.5958	+1.0360	+7.6413	+9.9601	-8.0455	+9.3540	-0.0000
* $\begin{cases} \text{R.A.} \\ 17^{\text{h}} 58^{\text{m}} 52^{\text{s}} \\ \text{N.P.D.} \\ 166^{\circ} 41' \end{cases}$	-7.1484	-9.4617	+0.9407	+7.1366	+9.9411	-7.6749	+8.9889	-0.0000
Lacaille 7539.....	+7.9386	-9.5558	+1.0068	-7.9310	+9.9552	+8.3751	-9.6850	-9.9999
Lacaille 7559.....	+7.8673	-9.4133	+0.9081	-7.8524	+9.9316	+8.4389	-9.7560	-9.9998
Lacaille 7569.....	+8.1018	-9.4856	+0.9571	-8.0913	+9.9448	+8.6053	-9.9181	-9.9996
Lacaille 7573.....	+8.7356	-9.7635	+1.1652	-8.7328	+9.9729	+8.9674	-0.2725	-9.9981
Lacaille 7612.....	+8.9167	-9.8069	+1.2003	-8.9144	+9.9739	+9.1039	-0.4085	-9.9964
Lacaille 8181.....	+9.1930	-9.5008	+0.9690	-9.1851	+9.9026	+9.6372	-0.9473	-9.9529
Lacaille 8212.....	+9.0630	-9.3657	+0.8791	-9.0481	+9.8771	+9.6344	-0.9514	-9.9519
Lacaille 8202.....	+9.4739	-9.7234	+1.1340	-9.4712	+9.9130	+9.6880	-0.9929	-9.9402
Lacaille 8306.....	+9.2757	-9.4928	+0.9640	-9.2682	+9.8814	+9.7074	-1.0171	-9.9320
Lacaille 8336.....	+9.2766	-9.4767	+0.9531	-9.2688	+9.8745	+9.7193	-1.0294	-9.9273
Lacaille 8328.....	+9.3591	-9.5526	+1.0061	-9.3537	+9.8827	+9.7265	-1.0341	-9.9253

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 8350.....	+9.2905	-9.4800	+0.9553	-9.2829	+9.8720	+9.7271	-1.0369	-9.9242
Lacaille 8331.....	+9.3840	-9.5716	+1.0198	-9.3791	+9.8832	+9.7311	-1.0383	-9.9236
* $\left\{ \begin{array}{l} \text{R.A.} \\ 20^{\text{h}} 15^{\text{m}} 5^{\text{s}} \\ \text{N.P.D.} \\ 167^{\circ} 37' \end{array} \right.$	+9.2375	-9.4122	+0.9103	-9.2272	+9.8567	+9.7347	-1.0472	-9.9198
Lacaille 8377.....	+9.2426	-9.4148	+0.9119	-9.2325	+9.8563	+9.7367	-1.0490	-9.9189
* $\left\{ \begin{array}{l} \text{R.A.} \\ 20^{\text{h}} 27^{\text{m}} 11^{\text{s}} \\ \text{N.P.D.} \\ 169^{\circ} 32' \end{array} \right.$	+9.3422	-9.4682	+0.9478	-9.3349	+9.8504	+9.7702	-1.0797	-9.9035
Lacaille 8448.....	+9.2028	-9.3287	+0.8580	-9.1887	+9.8238	+9.7635	-1.0798	-9.9034
Lacaille 8425.....	+9.3786	-9.4990	+0.9689	-9.3723	+9.8528	+9.7748	-1.0833	-9.9014
Lacaille 8446.....	+9.3446	-9.4583	+0.9413	-9.3371	+9.8446	+9.7778	-1.0875	-9.8990
Lacaille 8493.....	+9.2443	-9.3421	+0.8666	-9.2317	+9.8172	+9.7826	-1.0973	-9.8929
Lacaille 8507.....	+9.4934	-9.5505	+1.0054	-9.4890	+9.8345	+9.8147	-1.1213	-9.8762
Lacaille 8515.....	+9.5344	-9.5811	+1.0273	-9.5307	+9.8333	+9.8212	-1.1271	-9.8716
Lacaille 8563.....	+9.3339	-9.3776	+0.8894	-9.3244	+9.8032	+9.8170	-1.1288	-9.8702
Lacaille 8528.....	+9.6228	-9.6526	+1.0803	-9.6202	+9.8322	+9.8315	-1.1363	-9.8639
Lacaille 8580.....	+9.4092	-9.4384	+0.9288	-9.4022	+9.8074	+9.8274	-1.1366	-9.8636
Lacaille 8614.....	+9.2924	-9.3161	+0.8519	-9.2802	+9.7815	+9.8251	-1.1395	-9.8610
Lacaille 8615.....	+9.3005	-9.3230	+0.8561	-9.2887	+9.7826	+9.8261	-1.1401	-9.8605
* $\left\{ \begin{array}{l} \text{R.A.} \\ 20^{\text{h}} 56^{\text{m}} 38^{\text{s}} \\ \text{N.P.D.} \\ 174^{\circ} 47' \end{array} \right.$	+9.7090	-9.7217	+1.1333	-9.7072	+9.8293	+9.8413	-1.1453	-9.8557
Lacaille 8592.....	+9.5684	-9.5733	+1.0221	-9.5649	+9.8132	+9.8435	-1.1493	-9.8519
Lacaille 8569.....	+9.6334	-9.6370	+1.0687	-9.6308	+9.8185	+9.8450	-1.1499	-9.8513
Lacaille 8671.....	+9.2939	-9.2774	+0.8297	-9.2805	+9.7533	+9.8442	-1.1598	-9.8411
Lacaille 8636.....	+9.6418	-9.6061	+1.0461	-9.6391	+9.7957	+9.8639	-1.1688	-9.8309
Lacaille 8703.....	+9.4756	-9.4307	+0.9245	-9.4695	+9.7698	+9.8647	-1.1730	-9.8259
Lacaille 8672.....	+9.6252	-9.5762	+1.0244	-9.6221	+9.7857	+9.8695	-1.1748	-9.8237
Lacaille 8732.....	+9.4889	-9.4264	+0.9218	-9.4831	+9.7595	+9.8726	-1.1808	-9.8160
Lacaille 8766.....	+9.3128	-9.2467	+0.8131	-9.2992	+9.7199	+9.8664	-1.1822	-9.8140
Lacaille 8783.....	+9.4733	-9.3858	+0.8962	-9.4667	+9.7388	+9.8822	-1.1911	-9.8014
Lacaille 8751.....	+9.7419	-9.6349	+1.0676	-9.7399	+9.7572	+9.8945	-1.1987	-9.7895

Star's Name.	Logarithms of							
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a'</i>	<i>b'</i>	<i>c'</i>	<i>d'</i>
Lacaille 8797.....	+9° 6386	-9° 5226	+0° 9869	-9° 6353	+9° 7408	+9° 8966	-1° 2021	-9° 7838
Lacaille 8885.....	+9° 4183	-9° 2587	+0° 8215	-9° 4086	+9° 6684	+9° 9052	-1° 2172	-9° 7554
Lacaille 8879.....	+9° 5143	-9° 3505	+0° 8753	-9° 5081	+9° 6854	+9° 9101	-1° 2185	-9° 7525
Lacaille 8946.....	+9° 3895	-9° 1914	+0° 7857	-9° 3778	+9° 6246	+9° 9149	-1° 2289	-9° 7286
Lacaille 8996.....	+9° 4006	-9° 1627	+0° 7717	-9° 3889	+9° 5885	+9° 9256	-1° 2396	-9° 6995
Lacaille 9022.....	+9° 4544	-9° 1919	+0° 7871	-9° 4450	+9° 5798	+9° 9339	-1° 2455	-9° 6808
Lacaille 9010.....	+9° 5764	-9° 3128	+0° 8539	-9° 5712	+9° 6078	+9° 9382	-1° 2458	-9° 6799
Lacaille 8998.....	+9° 7620	-9° 4871	+0° 9636	-9° 7597	+9° 6257	+9° 9438	-1° 2483	-9° 6711
Lacaille 9055.....	+9° 3762	-9° 0929	+0° 7386	-9° 3624	+9° 5309	+9° 9340	-1° 2501	-9° 6646
Lacaille 9049.....	+9° 5266	-9° 2383	+0° 8122	-9° 5197	+9° 5730	+9° 9421	-1° 2512	-9° 6607
Lacaille 9085.....	+9° 4720	-9° 1631	+0° 7732	-9° 4630	+9° 5367	+9° 9441	-1° 2553	-9° 6442
Lacaille 9202.....	+9° 5916	-9° 1620	+0° 7743	-9° 5860	+9° 4388	+9° 9662	-1° 2741	-9° 5423
Lacaille 9399.....	+9° 5808	-8° 9312	+0° 6775	-9° 5744	+9° 1502	+9° 9829	-1° 2916	-9° 3397
Lacaille 9408.....	+9° 4064	-8° 7532	+0° 6202	-9° 3917	+8° 9955	+9° 9749	-1° 2918	-9° 3363
Lacaille 9427.....	+9° 4407	-8° 7682	+0° 6248	-9° 4283	+8° 9976	+9° 9779	-1° 2926	-9° 3179
Lacaille 9607.....	+9° 7204	-8° 5493	+0° 5772	-9° 7168	+8° 0719	+9° 9955	-1° 3013	-8° 8279
Lacaille 9635.....	+9° 5510	-8° 2764	+0° 5371	-9° 5433	-8° 4639	+9° 9916	-1° 3016	-8° 7248

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